

ALIGNMENTS

```
RESULT 1
US-09-750-580-1
Sequence 1, Application US/09750580
Patent No. 6455280
GENERAL INFORMATION:
APPLICANT: Yen, Frances
APPLICANT: Denison, Blake
APPLICANT: Bour, Barbara
APPLICANT: Bihain, Bernard
APPLICANT: Dumas Milne Edwards, Jean-Baptiste
APPLICANT: Bougueleret, Lydie
APPLICANT: Ebbels-Reed, Dana
APPLICANT: Salter-Cid, Luisa
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITING NEOPLASTIC CELL GROWTH
FILE REFERENCE: 89, US2.CIP
CURRENT APPLICATION NUMBER: US/09/750,580
PRIOR FILING DATE: 2000-12-28
PRIOR APPLICATION NUMBER: US 09/599,362
PRIOR FILING DATE: 2000-06-21
PRIOR APPLICATION NUMBER: PCT/IB00/0101
PRIOR FILING DATE: 2000-06-21
PRIOR APPLICATION NUMBER: PCT/IB99/02058
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: US 49/469/099
PRIOR FILING DATE: 1999-12-21
PRIOR APPLICATION NUMBER: US 60/113,686
PRIOR FILING DATE: 1998-12-22
PRIOR APPLICATION NUMBER: US 60/141,032
PRIOR FILING DATE: 1999-06-25
NUMBER OF SEQ ID NOS: 6
SOFTWARE: Patent.pn
SEQ ID NO 1
LENGTH: 81001
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: 10946..12946
OTHER INFORMATION: 5' regulatory region
NAME/KEY: exon
LOCATION: 12947..12958
OTHER INFORMATION: exon 1
NAME/KEY: exon
LOCATION: 13470..13526
OTHER INFORMATION: exon 2
NAME/KEY: exon
LOCATION: 13641..13752
OTHER INFORMATION: exon 3
NAME/KEY: exon
LOCATION: 14271..15968
OTHER INFORMATION: exon 4
NAME/KEY: misc feature
LOCATION: 15969..17969
OTHER INFORMATION: 3' regulatory region
NAME/KEY: allele
LOCATION: 1239
OTHER INFORMATION: 20-828-311 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 12347
OTHER INFORMATION: 17-42-319 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 15241
OTHER INFORMATION: 17-41-250 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 42218
OTHER INFORMATION: 20-841-149 : polymorphic base A or G
NAME/KEY: allele
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LOCATION: 45442
OTHER INFORMATION: 20-842-115 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 77058
OTHER INFORMATION: 20-853-415 : polymorphic base C or T
NAME/KEY: primer bind
LOCATION: 929..949
OTHER INFORMATION: 20-828.pu
NAME/KEY: primer bind
LOCATION: 1357..1377
OTHER INFORMATION: 20-828.rp complement
NAME/KEY: primer bind
LOCATION: 12029..12050
OTHER INFORMATION: 17-42.pu
NAME/KEY: primer bind
LOCATION: 12581..12603
OTHER INFORMATION: 17-42.rp complement
NAME/KEY: primer bind
LOCATION: 14992..15012
OTHER INFORMATION: 17-41.pu
NAME/KEY: primer bind
LOCATION: 15460..15482
OTHER INFORMATION: 17-41.rp complement
NAME/KEY: primer bind
LOCATION: 42070..42090
OTHER INFORMATION: 20-841.pu
NAME/KEY: primer bind
LOCATION: 42572..42591
OTHER INFORMATION: 20-841.rp complement
NAME/KEY: primer bind
LOCATION: 45328..45347
OTHER INFORMATION: 20-842.pu
NAME/KEY: primer bind
LOCATION: 45863..45883
OTHER INFORMATION: 20-842.rp complement
NAME/KEY: primer bind
LOCATION: 76644..76664
OTHER INFORMATION: 20-853.pu
NAME/KEY: primer bind
LOCATION: 77166..77185
OTHER INFORMATION: 20-853.rp complement
NAME/KEY: primer bind
LOCATION: 1220..1238
OTHER INFORMATION: 20-828-311.mis
NAME/KEY: primer bind
LOCATION: 1240..1258
OTHER INFORMATION: 20-828-311.mis complement
NAME/KEY: primer bind
LOCATION: 12328..12346
OTHER INFORMATION: 17-42-319.mis
NAME/KEY: primer bind
LOCATION: 12348..12366
OTHER INFORMATION: 17-42-319.mis complement
NAME/KEY: primer bind
LOCATION: 15222..15240
OTHER INFORMATION: 17-41-250.mis
NAME/KEY: primer bind
LOCATION: 15242..15260
OTHER INFORMATION: 17-41-250.mis complement
NAME/KEY: primer bind
LOCATION: 42199..42217
OTHER INFORMATION: 20-841-149.mis
NAME/KEY: primer bind
LOCATION: 42219..42237
OTHER INFORMATION: 20-841-149.mis complement
NAME/KEY: primer bind
LOCATION: 45423..45441
OTHER INFORMATION: 20-842-115.mis
NAME/KEY: primer bind
LOCATION: 45443..45461
OTHER INFORMATION: 20-842-115.mis complement
NAME/KEY: primer bind
LOCATION: 77039..77057
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OTHER INFORMATION: 20-853-415.mis
NAME/KEY: primer_bind
LOCATION: 77059..77077
OTHER INFORMATION: 20-853-415.mis complement
NAME/KEY: misc_binding
LOCATION: 1227..1251
OTHER INFORMATION: 20-828-311.probe
NAME/KEY: misc_binding
LOCATION: 1235..12359
OTHER INFORMATION: 17-42-319.probe
NAME/KEY: misc_binding
LOCATION: 15229..15253
OTHER INFORMATION: 17-41-250.probe
NAME/KEY: misc_binding
LOCATION: 42205..42230
OTHER INFORMATION: 20-841-149.probe
NAME/KEY: misc_binding
LOCATION: 45430..45454
OTHER INFORMATION: 20-842-115.probe
NAME/KEY: misc_binding
LOCATION: 77046..77070
OTHER INFORMATION: 20-853-415.probe
US-09-750-580-1

Query Match 2.4%; Score 61; DB 4; Length 81001;
Best Local Similarity 100.0%; Pred. No. 2e-16;
Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 2110 G 2110
Db 65015 G 65015

RESULT 2
US-07-914-281-5
Sequence 5, Application US/07914281
Patent No. 5324663
GENERAL INFORMATION:
APPLICANT: LOWE, JOHN B.
TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
ADDRESSEE: P.C.
STREET: 1755 Jefferson Davis Highway, Fourth Floor
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/914,281
FILING DATE: 19920720
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Lavalleye, Jean-Paul M. P.
REGISTRATION NUMBER: 31,451
REFERENCE/DOCKET NUMBER: 2363-060-55
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)521-4500
TELEFAX: (703)486-2347
TELEX: 248655 OPAT UR

INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 8174 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
US-07-914-281-5
Query Match 2.3%; Score 60; DB 1; Length 8174;
Best Local Similarity 100.0%; Pred. No. 6.3e-16;
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 2061 ACCTGAGTATCCACCACCTTGCTCCCAAGTCTGGATTCAGGTGAGCCAC 2120
Db 4227 ACCTGAGTATCCACCACCTTGCTCCCAAGTCTGGATTCAGGTGAGCCAC 4286

RESULT 3
US-08-393-246-5
Sequence 5, Application US/08393246
Patent No. 5595900
GENERAL INFORMATION:
APPLICANT: LOWE, JOHN B.
TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
ADDRESSEE: P.C.
STREET: 1755 Jefferson Davis Highway, Fourth Floor
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/393,246
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/220,433
FILING DATE: 30-MAR-1994
APPLICATION NUMBER: US 07/914,281
FILING DATE: 20-JUL-1992
ATTORNEY/AGENT INFORMATION:
NAME: Lavalleye, Jean-Paul M. P.
REGISTRATION NUMBER: 31,451
REFERENCE/DOCKET NUMBER: 2363-060-55
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)521-4500
TELEFAX: (703)486-2347
TELEX: 248655 OPAT UR
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 8174 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
US-08-393-246-5

Query Match 2.3%; Score 60; DB 1; Length 8174;
Best Local Similarity 100.0%; Pred. No. 6.3e-16;
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2061 ACCTCAGGTGATTCACCCACCTTGCTCCCAAGTCTGGGATTACAGTGTAGCCAC 2120
Db 4227 ACCTCAGGTGATTCACCCACCTTGCTCCCAAGTCTGGGATTACAGTGTAGCCAC 4286

RESULT 4

US-08-525-058A-5
Sequence 5, Application US/08525058A
Patent No. 5770420

GENERAL INFORMATION:

APPLICANT: LOWE, JOHN B.
TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTURES
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.
STREET: 1755 Jefferson Davis Highway, Fourth Floor
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/525,058A
FILING DATE:
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Lavelleye, Jean-Paul M. P.
REGISTRATION NUMBER: 31,451
REFERENCE/DOCKET NUMBER: 2363-060-55
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)521-4500
TELEFAX: (703)486-2347
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 8174 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
US-08-525-058A-5

Query Match

Best Local Similarity 100.0%; Score 60; DB 1; Length 8174;
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2061 ACCTCAGGTGATTCACCCACCTTGCTCCCAAGTCTGGGATTACAGTGTAGCCAC 2120
Db 4227 ACCTCAGGTGATTCACCCACCTTGCTCCCAAGTCTGGGATTACAGTGTAGCCAC 4286

RESULT 5

US-08-696-731-5
Sequence 5, Application US/08696731
Patent No. 595347

GENERAL INFORMATION:

APPLICANT: LOWE, JOHN B.
TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTURES
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,

ADDRESSEE: P.C.
STREET: 1755 Jefferson Davis Highway, Fourth Floor
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/696,731
FILING DATE: 14-AUG-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/393,246

FILING DATE:

APPLICATION NUMBER: US 08/220,433
FILING DATE: 30-MAR-1994
APPLICATION NUMBER: US 07/914,281
FILING DATE: 20-JUL-1992

ATTORNEY/AGENT INFORMATION:

NAME: Lavelleye, Jean-Paul M. P.
REGISTRATION NUMBER: 31,451
REFERENCE/DOCKET NUMBER: 2363-060-55
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)521-4500
TELEFAX: (703)486-2347
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 8174 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
US-08-696-731-5

Query Match

Best Local Similarity 100.0%; Score 60; DB 2; Length 8174;
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2061 ACCTCAGGTGATTCACCCACCTTGCTCCCAAGTCTGGGATTACAGTGTAGCCAC 2120
Db 4227 ACCTCAGGTGATTCACCCACCTTGCTCCCAAGTCTGGGATTACAGTGTAGCCAC 4286

RESULT 6

US-09-042-531-5
Sequence 5, Application US/09042531
Patent No. 6268193

GENERAL INFORMATION:

APPLICANT: LOWE, JOHN B.
TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTURES
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
STREET: 1755 Jefferson Davis Highway, Fourth Floor
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25

;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/042,531
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US/08/393,246
;; FILING DATE:
;; APPLICATION NUMBER: US 08/220,433
;; FILING DATE: 30-MAR-1994
;; APPLICATION NUMBER: US 07/914,281
;; FILING DATE: 20-JUL-1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Lavalleye, Jean-Paul M. P.
;; REGISTRATION NUMBER: 31,451
;; REFERENCE/DOCKET NUMBER: 2363-060-55
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (703)521-4500
;; TELEFAX: (703)486-2347
;; TELEX: 248855 OPAT UR
;; INFORMATION FOR SEQ ID NO: 5:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 8174 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: unknown
;; TOPOLOGY: unknown
;; MOLECULE TYPE: DNA (genomic)
;; ANTI-SENSE: NO
;; US-09-042-531-5

Query Match 2.3%; Score 60; DB 4; Length 8174;
Best Local Similarity 100.0%; Pred. No. 6.3e-16;
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 2061 ACCTCAGTGATCCACCCACCTTGCGCTCCCAAGTCTGGGATTACAGGTGTAGCCAC 2120
Db 4227 ACCTCAGTGATCCACCCACCTTGCGCTCCCAAGTCTGGGATTACAGGTGTAGCCAC 4286

RESULT 7
PCT-US91-00899-3
;; Sequence 3, Application PC/TUS9100899
;; GENERAL INFORMATION:
;; APPLICANT: Lowe, John B.
;; TITLE OF INVENTION: Method and Products For the Synthesis of
;; Oligosaccharide Structures on Glycoproteins, Glycolipids,
;; TITLE OF INVENTION: or as Free Molecules, and For the Isolation of Cloned
;; TITLE OF INVENTION: Genetic Sequences That Determine These Structures
;; NUMBER OF SEQUENCES: 16
;; CORRESPONDENCE ADDRESSES:
;; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
;; ADDRESSER: P.C.
;; STREET: 1755 Jefferson Davis Highway, Suite 400
;; CITY: Arlington
;; STATE: Virginia
;; ZIP: 22202
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patentin Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US91/00899
;; FILING DATE: 19910214
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Lavalleye Ph. D., Jean-Paul
;; REGISTRATION NUMBER: 31,451
;; REFERENCE/DOCKET NUMBER: 2363-021-55 PCT
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (703)521-5940
;; TELEFAX: (703)486-2347
;; TELEX: 248855 OPAT UR
;; INFORMATION FOR SEQ ID NO: 3:

;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 8174 base pairs
;; TYPE: NUCLEIC ACID
;; STRANDEDNESS: unknown
;; TOPOLOGY: unknown
;; MOLECULE TYPE: cDNA
;; HYPOTHETICAL: NO
;; ORIGINAL SOURCE:
;; ORGANISM: Homo sapiens
;; TISSUE TYPE: Blood
;; FEATURES:
;; NAME/KEY: misc_feature
;; LOCATION: 4686..5780
;; OTHER INFORMATION: //label= mat_peptide
;; PCT-US91-00899-3

Query Match 2.3%; Score 60; DB 5; Length 8174;
Best Local Similarity 100.0%; Pred. No. 6.3e-16;
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 2061 ACCTCAGTGATCCACCCACCTTGCGCTCCCAAGTCTGGGATTACAGGTGTAGCCAC 2120
Db 4227 ACCTCAGTGATCCACCCACCTTGCGCTCCCAAGTCTGGGATTACAGGTGTAGCCAC 4286

RESULT 8
US-08-618-100B-4
;; Sequence 4, Application US/08618100B
;; Patent No. 6068976
;; GENERAL INFORMATION:
;; APPLICANT: Briggs, Michael R.
;; APPLICANT: Auwerx, Johan
;; APPLICANT: de Vos, Piet
;; APPLICANT: Staelen, Bart
;; APPLICANT: Croston, Glenn E.
;; APPLICANT: Miller, Stephen G.
;; TITLE OF INVENTION: MODULATORS OF ob GENE AND
;; TITLE OF INVENTION: SCREENING METHODS THEREFOR
;; NUMBER OF SEQUENCES: 48
;; CORRESPONDENCE ADDRESSES:
;; ADDRESSEE: Lyon & Lyon
;; STREET: 633 West Fifth Street
;; STREET: Suite 4700
;; CITY: Los Angeles
;; STATE: California
;; COUNTRY: U.S.A.
;; ZIP: 90071-2066
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;; MEDIUM TYPE: storage
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: IBM P.C. DOS 5.0
;; SOFTWARE: FastSeq for Windows Version 2.0
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/618,100B
;; FILING DATE: March 19, 1996
;; CLASSIFICATION: 514
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/558,588
;; FILING DATE: October 30, 1995
;; APPLICATION NUMBER: 08/510,584
;; FILING DATE: August 2, 1995
;; APPLICATION NUMBER: 08/418,096
;; FILING DATE: April 15, 1995
;; APPLICATION NUMBER: 08/408,584
;; FILING DATE: March 20, 1995
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Warburg, Richard J.
;; REGISTRATION NUMBER: 32,327
;; REFERENCE/DOCKET NUMBER: 219/075
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (213) 489-1600
;; TELEFAX: (213) 955-0440

TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 2921 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
DESCRIPTION: Sequence upstream of the
Patent No. 6068976
US-08-618-1008-4
DESCRIPTION: transcription initiation site

Query Match 2.1%; Score 55; DB 3; Length 2921;
Best Local Similarity 100.0%; Pred. No. 8,2e-14;
Matches 55; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2056 TCCTGACCTCAGTGATCCACCCACCTTGCCCTCCCAAGTCTGGATTACAG 2110
DB 1803 TCCTGACCTCAGTGATCCACCCACCTTGCCCTCCCAAGTCTGGATTACAG 1857

RESULT 9
US-09-851-896-3
Sequence 3, Application US/09851896
Patent No. 6410325
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Susan M. Freiler
APPLICANT: Andrew T. Walt
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP VI (CA2+-INDEPENDENT)
FILE REFERENCE: RTS-0220
CURRENT APPLICATION NUMBER: US/09/851,896
CURRENT FILING DATE: 2001-05-08
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 3
LENGTH: 70000
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
US-09-851-896-3

Query Match 2.0%; Score 51; DB 4; Length 70000;
Best Local Similarity 100.0%; Pred. No. 2,7e-12;
Matches 51; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2060 GACCTCAGTGATCCACCCACCTTGCCCTCCCAAGTCTGGATTACAG 2110
DB 44342 GACCTCAGTGATCCACCCACCTTGCCCTCCCAAGTCTGGATTACAG 44392

RESULT 10
US-09-128-155-16/c
Sequence 16, Application US/09128155
Patent No. 6117654
GENERAL INFORMATION:
APPLICANT: Pan, Yang
TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
FILE REFERENCE: 09404/052001
CURRENT APPLICATION NUMBER: US/09/128,155
CURRENT FILING DATE: 1998-08-03
EARLIER APPLICATION NUMBER: US 60/091,650
EARLIER FILING DATE: 1998-07-02
EARLIER APPLICATION NUMBER: US 60/054,646
EARLIER FILING DATE: 1997-08-04
NUMBER OF SEQ ID NOS: 18
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 16
LENGTH: 152331
TYPE: DNA
ORGANISM: Homo sapiens

FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(152331)
OTHER INFORMATION: n = A,T,C or G
US-09-128-155-16

Query Match 1.8%; Score 47; DB 3; Length 152331;
Best Local Similarity 100.0%; Pred. No. 1,1e-10;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2064 TCAGTGATCCACCCACCTTGCCCTCCCAAGTCTGGATTACAG 2110
DB 151058 TCAGTGATCCACCCACCTTGCCCTCCCAAGTCTGGATTACAG 151012

RESULT 11
US-09-156-253-1
Sequence 1, Application US/09156253C
Patent No. 6001652
GENERAL INFORMATION:
APPLICANT: Monia, Brett P.
APPLICANT: Baker, Brenda F.
APPLICANT: Cosseret, Lex M.
TITLE OF INVENTION: Antisense Modulation of CREL Expression
FILE REFERENCE: RTS-0010
CURRENT APPLICATION NUMBER: US/09/156,253C
CURRENT FILING DATE: 1998-09-18
NUMBER OF SEQ ID NOS: 48
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 1
LENGTH: 2337
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: unsure
LOCATION: (61)
FEATURE:
NAME/KEY: unsure
LOCATION: (2277)
US-09-156-253-1

Query Match 1.8%; Score 46; DB 3; Length 2337;
Best Local Similarity 100.0%; Pred. No. 4,4e-10;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2064 TCAGTGATCCACCCACCTTGCCCTCCCAAGTCTGGATTACAG 2109
DB 1150 TCAGTGATCCACCCACCTTGCCCTCCCAAGTCTGGATTACAG 1195

RESULT 12
US-08-849-701-4/c
Sequence 4, Application US/08849701
Patent No. 5922544
GENERAL INFORMATION:
APPLICANT: Miyai, Kiyoshi
APPLICANT: Naitoh, Tsutomu
APPLICANT: Yonekawa, Toshihiro
TITLE OF INVENTION: Method of Cell Detection
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:

```
Query Match      1.8%; Score 45; DB 4; Length 17949;
Best Local Similarity 100.0%; Pred. No. 9.2e-10;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0.
```

Patent No. 6465250
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: ANTISENSE MODULATION OF PROTEIN PHOSPHATASE 2 CATALYTIC SUBUNIT
FILE REFERENCE: RTS-0134
CURRENT APPLICATION NUMBER: US/09/780,049
CURRENT FILING DATE: 2001-02-09
NUMBER OF SEQ ID NOS: 96
SEQ ID NO 18
LENGTH: 40000
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
US-09-780-049-18

Query Match 1.8%; Score 45; DB 4; Length 40000;
Best Local Similarity 100.0%; Pred. No. 8,5e-10;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2076 CCCACCTGGCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 2120
DB 20362 CCCACCTGGCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 20406

RESULT 16
US-09-146-053-6/c
Sequence 6, Application US/09146053A
Patent No. 6399349
GENERAL INFORMATION:
APPLICANT: Ryan, James W.
APPLICANT: Venema, Richard C.
APPLICANT: Spinkie, Terry Joe Curtis
TITLE OF INVENTION: Human Aminopeptidase P Gene
FILE REFERENCE: MCG103
CURRENT APPLICATION NUMBER: US/09/146,053A
CURRENT FILING DATE: 1998-09-02
EARLIER APPLICATION NUMBER: 60/057,854
EARLIER FILING DATE: 1997-09-02
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 6
LENGTH: 45546
TYPE: DNA
ORGANISM: Homo sapiens
US-09-146-053-6

Query Match 1.8%; Score 45; DB 4; Length 45546;
Best Local Similarity 100.0%; Pred. No. 8,4e-10;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2076 CCCACCTGGCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 2120
DB 36990 CCCACCTGGCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 36946

RESULT 17
US-09-741-150-3/c
Sequence 3, Application US/09741150
Patent No. 6436689
GENERAL INFORMATION:
APPLICANT: GUEGLER, Karl et al
TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
FILE REFERENCE: C1000968
CURRENT APPLICATION NUMBER: US/09/741,150
CURRENT FILING DATE: 2000-12-21
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 112132

TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(112132)
OTHER INFORMATION: n = A,T,C or G
US-09-741-150-3

Query Match 1.8%; Score 45; DB 4; Length 112132;
Best Local Similarity 100.0%; Pred. No. 7,7e-10;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2076 CCCACCTGGCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 2120
DB 8344 CCCACCTGGCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 8300

RESULT 18
US-09-426-290-1/c
Sequence 1, Application US/09426290
Patent No. 6410712
GENERAL INFORMATION:
APPLICANT: Berglund Ran Olafsdottir
APPLICANT: Jeffrey Gulcher
TITLE OF INVENTION: HUMAN NARCOLEPSY GENE
FILE REFERENCE: 2345 2001-000
CURRENT APPLICATION NUMBER: US/09/426,290
CURRENT FILING DATE: 1999-10-25
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1
LENGTH: 168575
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (21181)...(21403)
NAME/KEY: CDS
LOCATION: (95252)...(95430)
NAME/KEY: CDS
LOCATION: (101753)...(101966)
NAME/KEY: CDS
LOCATION: (110324)...(110439)
NAME/KEY: CDS
LOCATION: (124058)...(124278)
NAME/KEY: CDS
LOCATION: (127009)...(127130)
NAME/KEY: CDS
LOCATION: (128910)...(129139)
US-09-426-290-1

Query Match 1.8%; Score 45; DB 4; Length 168575;
Best Local Similarity 100.0%; Pred. No. 7,4e-10;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2076 CCCACCTGGCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 2120
DB 140399 CCCACCTGGCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 140355

RESULT 19
US-09-009-217-11
Sequence 11, Application US/09009217
Patent No. 6132729
GENERAL INFORMATION:
APPLICANT: Thorpe, Philip E.
APPLICANT: King, Steven W.
APPLICANT: Gao, Boning
TITLE OF INVENTION: COMBINED TISSUE FACTOR AND
TITLE OF INVENTION: CHEMOTHERAPEUTIC METHODS AND COMPOSITIONS FOR COAGULATION
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:

ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/009,217
FILING DATE: Concurrently Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/042,427
FILING DATE: 27-MAR-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/036,205
FILING DATE: 27-JAN-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/035,920
FILING DATE: 22-JAN-1997
ATTORNEY/AGENT INFORMATION:
NAME: Hibler, David W.
REGISTRATION NUMBER: 41,071
REFERENCE/DOCKET NUMBER: UTSD:536
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512/418-3000
TELEFAX: 512/474-7577
INFORMATION FOR SEQ. ID NO.: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 13865 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-009-217-11
Query Match 1.7%; Score 44; DB 3; Length 13865;
Best Local Similarity 100.0%; Pred. No. 2.5e-09;
Matches 44; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2056 TCCTGACCTCAGGTGATCCACCCACCTTGCCCTCCCAAGTGCT 2099
DB 12682 TCCTGACCTCAGGTGATCCACCCACCTTGCCCTCCCAAGTGCT 12725
RESULT 20
US-09-009-656-11
Sequence 11, Application US/09009656
Patent No. 6132730
GENERAL INFORMATION:
APPLICANT: Thorpe, Philip E.
APPLICANT: King, Steven W.
APPLICANT: Gao, Boming
TITLE OF INVENTION: COMBINED TISSUE FACTOR AND FACTOR VIIA
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR COAGULATION AND TUMOR
TREATMENT
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/009,656
FILING DATE: Concurrently Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/042,427
FILING DATE: 27-MAR-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/036,205
FILING DATE: 27-JAN-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/035,920
FILING DATE: 22-JAN-1997
ATTORNEY/AGENT INFORMATION:
NAME: Hibler, David W.
REGISTRATION NUMBER: 41,071
REFERENCE/DOCKET NUMBER: UTSD:537
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512/418-3000
TELEFAX: 512/474-7577
INFORMATION FOR SEQ. ID NO.: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 13865 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-009-656-11
Query Match 1.7%; Score 44; DB 3; Length 13865;
Best Local Similarity 100.0%; Pred. No. 2.5e-09;
Matches 44; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2056 TCCTGACCTCAGGTGATCCACCCACCTTGCCCTCCCAAGTGCT 2099
DB 12682 TCCTGACCTCAGGTGATCCACCCACCTTGCCCTCCCAAGTGCT 12725
RESULT 21
US-09-247-155-138/c
Sequence 138, Application US/09247155A
Patent No. 6312922
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, Jean-Baptiste
APPLICANT: Duclert, Aymeric
APPLICANT: Bougueterec, Lydie
TITLE OF INVENTION: Complementary DNAs
FILE REFERENCE: GENSET.021A
CURRENT APPLICATION NUMBER: US/09/247,155A
CURRENT FILING DATE: 1999-02-09
EARLIER APPLICATION NUMBER: 60/074,121
EARLIER FILING DATE: 1998-02-09
EARLIER APPLICATION NUMBER: 60/081,563
EARLIER FILING DATE: 1998-04-13
EARLIER APPLICATION NUMBER: 60/096,116
EARLIER FILING DATE: 1998-08-10
EARLIER APPLICATION NUMBER: 60/099,273
EARLIER FILING DATE: 1998-10-04
NUMBER OF SEQ. ID NOS: 182
SOFTWARE: Patent .pm
SEQ. ID NO. 138
LENGTH: 1289
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 50..637
FEATURE:
NAME/KEY: sig_peptide
LOCATION: 50..151
OTHER INFORMATION: Von Heijne matrix
OTHER INFORMATION: score 5.9000009536743
OTHER INFORMATION: seq LGAAALALLLANT/DV
FEATURE:
NAME/KEY: polyA_site

LOCATION: 1277..1289
US-09-247-155-138

Query Match 1.7%; Score 43; DB 4; Length 1289;
Best Local Similarity 100.0%; Pred. No. 8e-09;
Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2078 CACCTTGCCCTCCCAAGTGTGGATTACAGGTGACCCAC 2120
DB 1053 CACCTTGCCCTCCCAAGTGTGGATTACAGGTGACCCAC 1011

RESULT 22
US-09-741-150-3

Sequence 3, Application US/09741150
Patent No. 6436689
GENERAL INFORMATION:

APPLICANT: GUEGLER, Karl et al
TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
TITLE OF INVENTION: USES THEREOF
FILE REFERENCE: C1000968
CURRENT APPLICATION NUMBER: US/09/741,150
CURRENT FILING DATE: 2000-12-21
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 3
LENGTH: 112132

TYPE: DNA
ORGANISM: Human

FEATURE:
NAME/KEY: misc feature
LOCATION: (1)_(112132)

OTHER INFORMATION: n = A,T,C or G

US-09-741-150-3

Query Match 1.7%; Score 43; DB 4; Length 112132;
Best Local Similarity 100.0%; Pred. No. 5.2e-09;
Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2068 GTGATCCAGCCACCTTGCCCTCCCAAGTGTGGATTACAGG 2110
DB 74867 GTGATCCAGCCACCTTGCCCTCCCAAGTGTGGATTACAGG 74909

RESULT 23
US-09-426-290-1

Sequence 1, Application US/09426290
Patent No. 6410712
GENERAL INFORMATION:

APPLICANT: Berglund Ran Olfstedt et al
TITLE OF INVENTION: HUMAN NARCOLEPSY GENE
FILE REFERENCE: 2345,2001-000
CURRENT APPLICATION NUMBER: US/09/426,290
CURRENT FILING DATE: 1999-10-25
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 1

LENGTH: 168575
TYPE: DNA

ORGANISM: Homo Sapiens

FEATURE:
NAME/KEY: CDS

LOCATION: (21181)...(21403)
NAME/KEY: CDS

LOCATION: (95253)...(95430)
NAME/KEY: CDS

LOCATION: (101753)...(101966)
NAME/KEY: CDS

LOCATION: (110324)...(110439)
NAME/KEY: CDS

LOCATION: (124058)...(124278)

NAME/KEY: CDS
LOCATION: (127009)...(127130)
NAME/KEY: CDS
LOCATION: (128910)...(129139)
US-09-426-290-1

Query Match 1.7%; Score 43; DB 4; Length 168575;
Best Local Similarity 100.0%; Pred. No. 5e-09;
Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2078 CACCTTGCCCTCCCAAGTGTGGATTACAGGTGACCCAC 2120
DB 73149 CACCTTGCCCTCCCAAGTGTGGATTACAGGTGACCCAC 73191

RESULT 24
US-09-798-096-10

Sequence 10, Application US/09798096
Patent No. 6393378
GENERAL INFORMATION:

APPLICANT: Andrew T. Ward
TITLE OF INVENTION: ANTISENSE MODULATION OF RECOL2 EXPRESSION
FILE REFERENCE: RTS-0207
CURRENT APPLICATION NUMBER: US/09/798,096
CURRENT FILING DATE: 2001-03-01
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 10

LENGTH: 99500
TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

Query Match 1.6%; Score 42; DB 4; Length 99500;
Best Local Similarity 100.0%; Pred. No. 1.4e-08;
Matches 42; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1875 GCTGAGTGCATGCGACGATCTCAGCTCAGTCCACTCCA 1916
DB 43420 GCTGAGTGCATGCGACGATCTCAGCTCAGTCCACTCCA 43461

RESULT 25
US-08-724-394A-20

Sequence 20, Application US/08724394A
Patent No. 5872237
GENERAL INFORMATION:

APPLICANT: Feder, John N.
APPLICANT: Krommal, Gregory S.
APPLICANT: Laufer, Peter M.
APPLICANT: Ruddy, David A.
APPLICANT: Thomas, Winston
APPLICANT: Tsuchihashi, Zenta

TITLE OF INVENTION: Megabase Transcript Map: No. 5872237e1
TITLE OF INVENTION: Sequences and Antibodies Thereof
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:

ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: CA

COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/724,394A
FILING DATE: 01-OCT-1996

CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Fitts, Renee A.
REGISTRATION NUMBER: 35,136
REFERENCE/DOCKET NUMBER: 017957-000100
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 246240 base pairs
TYPE: nucleic acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: misc.feature
LOCATION: 1..246240
OTHER INFORMATION: /note= "HLA-H. CONTIG"
US-08-724-394A-20

Query Match 1.6%; Score 42; DB 2; Length 246240;
Best Local Similarity 100.0%; Pred. No. 1.2e-08;
Matches 42; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2079 ACCTGGCCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 2120
Db 102172 ACCTGGCCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 102213

RESULT 26
US-08-724-394A-21
Sequence 21, Application US/08724394A
Patent No. 5872237
GENERAL INFORMATION:
APPLICANT: Feder, John N.
APPLICANT: Krommal, Gregory S.
APPLICANT: Laufer, Peter M.
APPLICANT: Ruddy, David A.
APPLICANT: Thomas, Winston
APPLICANT: Tsuchihashi, Zenta
APPLICANT: Wolff, Roger K.
TITLE OF INVENTION: Megabase Transcript Map: No. 5872237e1
TITLE OF INVENTION: Sequences and Antibodies Thereo
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/724,394A
FILING DATE: 01-OCT-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Fitts, Renee A.
REGISTRATION NUMBER: 35,136
REFERENCE/DOCKET NUMBER: 017957-000100
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 246240 base pairs
TYPE: nucleic acid
STRANDEDNESS: not relevant

TOPOLOGY: not relevant
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: misc.feature
LOCATION: 1..246240
OTHER INFORMATION: /note= "HLA-H. CONTIG"
US-08-724-394A-21

Query Match 1.6%; Score 42; DB 2; Length 246240;
Best Local Similarity 100.0%; Pred. No. 1.2e-08;
Matches 42; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2079 ACCTGGCCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 2120
Db 102172 ACCTGGCCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 102213

RESULT 27
US-08-724-394A-22
Sequence 22, Application US/08724394A
Patent No. 5872237
GENERAL INFORMATION:
APPLICANT: Feder, John N.
APPLICANT: Krommal, Gregory S.
APPLICANT: Laufer, Peter M.
APPLICANT: Ruddy, David A.
APPLICANT: Thomas, Winston
APPLICANT: Tsuchihashi, Zenta
APPLICANT: Wolff, Roger K.
TITLE OF INVENTION: Megabase Transcript Map: No. 5872237e1
TITLE OF INVENTION: Sequences and Antibodies Thereo
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/724,394A
FILING DATE: 01-OCT-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Fitts, Renee A.
REGISTRATION NUMBER: 35,136
REFERENCE/DOCKET NUMBER: 017957-000100
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 246240 base pairs
TYPE: nucleic acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: misc.feature
LOCATION: 1..246240
OTHER INFORMATION: /note= "HLA-H. CONTIG"
US-08-724-394A-22

Query Match 1.6%; Score 42; DB 2; Length 246240;
Best Local Similarity 100.0%; Pred. No. 1.2e-08;
Matches 42; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2079 ACCTGGCCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 2120

Db 102172 ACCTGGCCCTCCCAAGTGTGAGATTACAGTGTGAGCCAC 102213

RESULT 28

US-09-385-982-301/C
; Sequence 301, Application US/09385982
; Patent No. 6262334
; GENERAL INFORMATION:
; APPLICANT: ENDEGE, WILSON O., ET AL.
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; FILE REFERENCE: CCDNA-260XX
; CURRENT APPLICATION NUMBER: US/09/385,982
; EARLIER FILING DATE: 1999-08-30
; EARLIER APPLICATION NUMBER: 09/328,111
; EARLIER FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: 60/117,393
; EARLIER FILING DATE: 1999-01-27
; EARLIER APPLICATION NUMBER: 60/098,639
; EARLIER FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 544
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 301
; LENGTH: 655
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(655)
; OTHER INFORMATION: n = A,T,C or G
US-09-385-982-301

Query Match

Best Local Similarity 1.6%; Score 41; DB 4; Length 655;
Best Local Similarity 100.0%; Pred. No. 5.7e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2080 CCTGGCCCTCCCAAGTGTGAGATTACAGTGTGAGCCAC 2120

Db 80 CCTGGCCCTCCCAAGTGTGAGATTACAGTGTGAGCCAC 40

RESULT 29

US-07-971-092-1
; Sequence 1, Application US/07971092
; Patent No. 5328987
; GENERAL INFORMATION:
; APPLICANT: Maliszewski, Charles R.
; TITLE OF INVENTION: Huiga Fc Receptor
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex
; STREET: 51 University
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/971,092
; FILING DATE: 19921104
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia A.
; REGISTRATION NUMBER: 34693
; REFERENCE/DOCKET NUMBER: 2603
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1589 base pairs

TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: cDNA to mRNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:

ORGANISM: Human IGA Fc Receptor
FEATURE:
NAME/KEY: CDS
LOCATION: 40...900

US-07-971-092-1

Query Match

Best Local Similarity 1.6%; Score 41; DB 1; Length 1589;
Best Local Similarity 100.0%; Pred. No. 5.3e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2060 GACCTCAGTGATCCACCCACCTTGCCCTCCCAAGTCTG 2100

Db 1223 GACCTCAGTGATCCACCCACCTTGCCCTCCCAAGTCTG 1263

RESULT 30

5198342-1
; Patent No. 5198342
; APPLICANT: MALISZEWSKI, CHARLES R.
; TITLE OF INVENTION: DNA ENCODING IGA FC RECEPTORS
; NUMBER OF SEQUENCES: 9
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/548,059
; FILING DATE: 05-JUL-1990
; SEQ ID NO: 1
; LENGTH: 1611
5198342-1

Query Match

Best Local Similarity 1.6%; Score 41; DB 6; Length 1611;
Best Local Similarity 100.0%; Pred. No. 5.2e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2060 GACCTCAGTGATCCACCCACCTTGCCCTCCCAAGTCTG 2100

Db 1223 GACCTCAGTGATCCACCCACCTTGCCCTCCCAAGTCTG 1263

RESULT 31

US-09-069-023-33/C
; Sequence 33, Application US/09069023A
; Patent No. 6348573
; GENERAL INFORMATION:
; APPLICANT: Nunez, Gabriel
; APPLICANT: Inohara, Naohiro
; APPLICANT: Koseki, Takeyoshi
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; TITLE OF INVENTION: SIGNALING PATHWAY INHIBITORS AND ACTIVATORS
; FILE REFERENCE: IM-03333
; CURRENT APPLICATION NUMBER: US/09/069,023A
; CURRENT FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 33
; LENGTH: 2040
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-069-023-33

Query Match

Best Local Similarity 1.6%; Score 41; DB 4; Length 2040;
Best Local Similarity 100.0%; Pred. No. 5.1e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2080 CCTGGCCCTCCCAAGTGTGAGATTACAGTGTGAGCCAC 2120

Db 1940 CCTGGCCCTCCCAAGTGTGAGATTACAGTGTGAGCCAC 1900

RESULT 32
US-08-795-088A-1/c
Sequence 1, Application US/08795088A
Patent No. 6242569
GENERAL INFORMATION:
APPLICANT: Sul, Hong-Bing
TITLE OF INVENTION: Regulators of Apoptosis
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Science & Technology Law Group
STREET: 75 Denise Drive
CITY: Hillsborough
STATE: California
COUNTRY: USA
ZIP: 94010
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/795,088A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Osman, Richard A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: T97-001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 343-4341
TELEFAX: (650) 343-4342
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2045 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-795-088A-1
Query Match 1.6%; Score 41; DB 4; Length 2045;
Best Local Similarity 100.0%; Pred. No. 5.1e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2080 CCTTGCCCTCCCAAGTGTGGATTACAGGTGAGCCAC 2120
DB 2015 CCTTGCCCTCCCAAGTGTGGATTACAGGTGAGCCAC 1975
RESULT 33
US-08-710-249-3/c
Sequence 3, Application US/08710249
Patent No. 5858777
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Peng, Junli
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Methods and Reagents for Regulating
TITLE OF INVENTION: Telomere Length and Telomerase Activity
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/710,249
FILING DATE: 13-SEP-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/583,808
FILING DATE: 05-JAN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/003,492
FILING DATE: 08-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-001220US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 4080 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 79..1380
OTHER INFORMATION: /product= "RPC3"
US-08-710-249-3
Query Match 1.6%; Score 41; DB 2; Length 4080;
Best Local Similarity 100.0%; Pred. No. 4.8e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2080 CCTTGCCCTCCCAAGTGTGGATTACAGGTGAGCCAC 2120
DB 2881 CCTTGCCCTCCCAAGTGTGGATTACAGGTGAGCCAC 2841
RESULT 34
US-09-220-157A-3/c
Sequence 3, Application US/09220157A
Patent No. 6300110
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Peng, Junli
APPLICANT: Andrews, William H.
APPLICANT: Adams, Robert R.
TITLE OF INVENTION: Methods and Reagents for Regulating
TITLE OF INVENTION: Telomere Length and Telomerase Activity
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/220,157A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/710,249
FILING DATE: 13-SEP-1996
APPLICATION NUMBER: US 08/583,808

FILING DATE: 05-JAN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/003,492
FILING DATE: 08-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-001220US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 4080 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 79..1380
OTHER INFORMATION: /product= "TPC3"
US-09-220-157A-3

Query Match 1.6%; Score 41; DB 4; Length 4080;
Best Local Similarity 100.0%; Pred. No. 4.8e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2080 CTTGGCCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 2120
Db 2881 CTTGGCCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 2841

RESULT 35
US-09-056-105-31/c
Sequence 31, Application US/09056105
Patent No. 6287569
GENERAL INFORMATION:
APPLICANT: KIPPS, THOMAS J.
APPLICANT: WU, YUNQI
TITLE OF INVENTION: VACCINES WITH ENHANCED INTRACELLULAR
TITLE OF INVENTION: PROCESSING
FILE REFERENCE: 233/221
CURRENT APPLICATION NUMBER: US/09/056,105
CURRENT FILING DATE: 1998-04-06
EARLIER APPLICATION NUMBER: 60/043,467
EARLIER FILING DATE: 1997-04-10
NUMBER OF SEQ ID NOS: 35
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 31
LENGTH: 7130
TYPE: DNA
ORGANISM: Homo sapiens
US-09-056-105-31

Query Match 1.6%; Score 41; DB 4; Length 7130;
Best Local Similarity 100.0%; Pred. No. 4.5e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2080 CTTGGCCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 2120
Db 2651 CTTGGCCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 2611

RESULT 36
US-09-022-461-1
Sequence 1, Application US/09022461
Patent No. 5964371
GENERAL INFORMATION:
APPLICANT: HENDERSON, DANIEL R.
APPLICANT: SCHUR, ERIC R.
APPLICANT: LAMPARSKI, HENRY G.
APPLICANT: YU, De Chao

TITLE OF INVENTION: PROSTATE CANCER DRUG SCRE
TITLE OF INVENTION: ENING
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/022,461
FILING DATE: 12-FEB-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/906,192
FILING DATE: 04-AUG-1997
ATTORNEY/AGENT INFORMATION:
NAME: Catherine, Polizzi M
REGISTRATION NUMBER: 40,130
REFERENCE/DOCKET NUMBER: 34802-20003.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-813-5600
TELEFAX: 415-494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 12047 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-022-461-1

Query Match 1.6%; Score 41; DB 2; Length 12047;
Best Local Similarity 100.0%; Pred. No. 4.3e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2080 CTTGGCCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 2120
Db 4231 CTTGGCCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 4271

RESULT 37
US-09-033-556-3
Sequence 3, Application US/09033556
Patent No. 6432700
GENERAL INFORMATION:
APPLICANT: Henderson, Daniel R.
APPLICANT: YU, De Chao
TITLE OF INVENTION: ADENOVIRUS VECTORS CONTAINING
TITLE OF INVENTION: HETEROLOGOUS TRANSCRIPTION REGULATORY ELEMENTS AND METHODS
TITLE OF INVENTION: OF USING SAME
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSeq for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/033,556
FILING DATE:

```

; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Catherine, Polizzi M
; REGISTRATION NUMBER: 40,130
; REFERENCE/DOCKET NUMBER: 34802-20010.00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-813-5600
; TELEFAX: 650-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12047 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-09-033-556-3
;
Query Match 1.6%; Score 41; DB 4; Length 12047;
Best Local Similarity 100.0%; Pred. No. 4,3e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2080 CCTGGCCTCCCAAGTCTGGATTACAGCTGAGCCAC 2120
Db 4231 CCTGGCCTCCCAAGTCTGGATTACAGCTGAGCCAC 4271

RESULT 38
US-09-810-671-3
; Sequence 3, Application US/09810671
; Patent No. 6455291
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CLO00758
; CURRENT APPLICATION NUMBER: US/09/810,671
; CURRENT FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 21234
; TYPE: DNA
; ORGANISM: Human
;
US-09-810-671-3
;
Query Match 1.6%; Score 41; DB 4; Length 21234;
Best Local Similarity 100.0%; Pred. No. 4,1e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2080 CCTGGCCTCCCAAGTCTGGATTACAGCTGAGCCAC 2120
Db 11839 CCTGGCCTCCCAAGTCTGGATTACAGCTGAGCCAC 11879

RESULT 39
US-09-564-805-28
; Sequence 28, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Jonathan M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
```

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; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 28
; LENGTH: 26664
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (910)..(13104)
; OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
; OTHER INFORMATION: 1925-1995; exon 4: 3025-3083; exon 5: 4361-4418;
; OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
; OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
; NAME/KEY: misc feature
; LOCATION: (13756)..(22917)
; OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon
; OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
; OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:
; OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
; NAME/KEY: misc feature
; LOCATION: (23045)..(26452)
; OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
; OTHER INFORMATION: 21: 23973-24093; exon 22: 24358-24432; exon 23:
; OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
; NAME/KEY: variation
; LOCATION: (826)..(23879)
; OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at
; OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486
; OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at
; OTHER INFORMATION: positions 22211 and 23879 is A or G.
;
US-09-564-805-28
;
Query Match 1.6%; Score 41; DB 4; Length 26664;
Best Local Similarity 100.0%; Pred. No. 4e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2054 ACTCGTACCTCAGTGATCCACCCACCTGGCTCCCAAA 2094
Db 9071 ACTCGTACCTCAGTGATCCACCCACCTGGCTCCCAAA 9111

RESULT 40
US-08-323-443B-1
; Sequence 1, Application US/08323443B
; Patent No. 5654170
; GENERAL INFORMATION:
; APPLICANT: KLINGER, KATHERINE W.
; APPLICANT: LANDES, GREGORY M.
; APPLICANT: BURN, TIMOTHY C.
; APPLICANT: CONNORS, TIMOTHY D.
; APPLICANT: DACKOWSKI, WILLIAM R.
; APPLICANT: GERMINO, GREGORY
; APPLICANT: QIAN, PENG
; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dady & Dady PC
; STREET: 805 Third Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
```

APPLICATION NUMBER: US/08/323,443B
FILING DATE: 12-OCT-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Ludwig, S. Peter
REGISTRATION NUMBER: 25,351
REFERENCE/DOCKET NUMBER: 0372/0A462
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 527-7700
TELEFAX: (212) 753-6237
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 31571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
IMMEDIATE SOURCE:
CLONE: PKD1 GENOMIC
US-08-323-443B-1

Query Match

1.6%; Score 41; DB 1; Length 31571;
Best Local Similarity 100.0%; Pred. No. 3.9e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2080 CCTTGGCCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 2120
Db 639 CCTTGGCCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 679

RESULT 41

US-09-734-673-3
Sequence 3, Application US/09734673
Patent No. 6410294
GENERAL INFORMATION:
APPLICANT: GUEGLER, Karl et al
TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
TITLE OF INVENTION: THEREOF
FILE REFERENCE: CL001020
CURRENT APPLICATION NUMBER: US/09/734,673
CURRENT FILING DATE: 2000-12-13
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 38564
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(38564)
OTHER INFORMATION: n = A,T,C or G
US-09-734-673-3

Query Match

1.6%; Score 41; DB 4; Length 38564;
Best Local Similarity 100.0%; Pred. No. 3.8e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2080 CCTTGGCCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 2120
Db 24698 CCTTGGCCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 24738

RESULT 42

US-09-735-934A-3/C
Sequence 3, Application US/09735934A
Patent No. 6372468
GENERAL INFORMATION:
APPLICANT: LI, JiaYin et al
TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC

TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
TITLE OF INVENTION: THEREOF
FILE REFERENCE: CL000851
CURRENT APPLICATION NUMBER: US/09/735,934A
CURRENT FILING DATE: 2000-12-14
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 43950
TYPE: DNA
ORGANISM: Homo sapiens
US-09-735-934A-3

Query Match
1.6%; Score 41; DB 4; Length 43950;
Best Local Similarity 100.0%; Pred. No. 3.8e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2080 CCTTGGCCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 2120
Db 10426 CCTTGGCCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 10386

RESULT 43

US-09-146-053-3
Sequence 3, Application US/09146053A
Patent No. 639349
GENERAL INFORMATION:
APPLICANT: Ryan, James W.
APPLICANT: Sprinkle, Terry Joe Curtis
APPLICANT: Venema, Richard C.
TITLE OF INVENTION: Human Aminopeptidase P Gene
FILE REFERENCE: MCG103
CURRENT APPLICATION NUMBER: US/09/146,053A
CURRENT FILING DATE: 1998-09-02
EARLIER APPLICATION NUMBER: 60/057,854
EARLIER FILING DATE: 1997-09-02
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 50000
TYPE: DNA
ORGANISM: Homo sapiens
US-09-146-053-3

Query Match
1.6%; Score 41; DB 4; Length 50000;
Best Local Similarity 100.0%; Pred. No. 3.7e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2080 CCTTGGCCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 2120
Db 2060 CCTTGGCCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 2100

RESULT 44

US-09-146-053-3/C
Sequence 3, Application US/09146053A
Patent No. 639349
GENERAL INFORMATION:
APPLICANT: Ryan, James W.
APPLICANT: Sprinkle, Terry Joe Curtis
APPLICANT: Venema, Richard C.
TITLE OF INVENTION: Human Aminopeptidase P Gene
FILE REFERENCE: MCG103
CURRENT APPLICATION NUMBER: US/09/146,053A
CURRENT FILING DATE: 1998-09-02
EARLIER APPLICATION NUMBER: 60/057,854
EARLIER FILING DATE: 1997-09-02
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 50000
TYPE: DNA
ORGANISM: Homo sapiens

US-09-146-053-3

Query Match

1.6%; Score 41; DB 4; Length 50000;
Best Local Similarity 100.0%; Pred. No. 3.7e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2068 GTGATCCACCACCTGGCTGCCCAAGTGTGAGTTACA 2108

Db 29564 GTGATCCACCACCTGGCTGCCCAAGTGTGAGTTACA 29524

RESULT 45

US-08-658-136-2

Sequence 2, Application US/08658136

Patent No. 6071717

GENERAL INFORMATION:

APPLICANT: KLINGER, KATHERINE W

APPLICANT: LANDES, GREGORY M

APPLICANT: BURN, TIMOTHY C

APPLICANT: CONNORS, TIMOTHY D

APPLICANT: DACKOWSKI, WILLIAM

APPLICANT: GERMINO, GREGORY

APPLICANT: QIAN, FENG

TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE

NUMBER OF SEQUENCES: 58

CORRESPONDENCE ADDRESS:

ADDRESSEE: GENZYME CORPORATION

STREET: ONE MOUNTAIN ROAD

CITY: FRAMINGHAM

STATE: MASSACHUSETTS

COUNTRY: USA

ZIP: 01701

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/658,136

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: LASSEN, ELIZABETH

REGISTRATION NUMBER: 31,845

REFERENCE/DOCKET NUMBER: GEN4-17.8

TELECOMMUNICATION INFORMATION:

TELEPHONE: 508-872-8400

TELEFAX: 508-872-5415

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 53526 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-08-658-136-2

Query Match

1.6%; Score 41; DB 3; Length 53526;
Best Local Similarity 100.0%; Pred. No. 3.7e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2080 CCTTGACCTCCCAAGTGTGAGTTACAGGTGAGCCAC 2120

Db 1235 CCTTGACCTCCCAAGTGTGAGTTACAGGTGAGCCAC 1275

RESULT 46

US-08-658-136-1

Sequence 1, Application US/08658136

Patent No. 6071717

GENERAL INFORMATION:

APPLICANT: KLINGER, KATHERINE W

APPLICANT: LANDES, GREGORY M

Query Match

1.6%; Score 41; DB 3; Length 53577;
Best Local Similarity 100.0%; Pred. No. 3.7e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2080 CCTTGACCTCCCAAGTGTGAGTTACAGGTGAGCCAC 2120

Db 1235 CCTTGACCTCCCAAGTGTGAGTTACAGGTGAGCCAC 1275

RESULT 47

US-08-996-306-1

Sequence 1, Application US/08996306

Patent No. 5945522

GENERAL INFORMATION:

APPLICANT: COHEN, DANIEL

APPLICANT: CHUMAKOV, ILYA

APPLICANT: BLUMENFELD, MARTA

APPLICANT: BOUSSELENET, LYDIE

TITLE OF INVENTION: Prostate cancer gene

NUMBER OF SEQUENCES: 68

CORRESPONDENCE ADDRESS:

ADDRESSEE: Knobb, Martens, Olson & Bear

STREET: 501 West Broadway

CITY: San Diego

STATE: California

COUNTRY: USA

ZIP: 92101-3505

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: Win95

SOFTWARE: word

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/996,306

FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Israelien, Ned A.
REGISTRATION NUMBER: 29,655
REFERENCE/DOCKET NUMBER: GENSET.018A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 235-8550
TELEFAX: (619) 235-0176
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 56516 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: DOUBLE
TOPOLOGY: LINEAR
MOLECULE TYPE: GENOMIC DNA
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: Promoter
LOCATION: 1629..1870
IDENTIFICATION METHOD: Proscan
FEATURE:
NAME/KEY: Potential ATG
LOCATION: 1998..2000
FEATURE:
NAME/KEY: Exon 1
LOCATION: 2001..2216
FEATURE:
NAME/KEY: ATG
LOCATION: 2031..2033
FEATURE:
NAME/KEY: TYR phos
LOCATION: 11694..14332
FEATURE:
NAME/KEY: SEQ ID42
LOCATION: 11930..11947
FEATURE:
NAME/KEY: SEQ ID24
LOCATION: 12057..12103
FEATURE:
NAME/KEY: SEQ ID51
LOCATION: compl(12339..12358)
FEATURE:
NAME/KEY: SEQ ID64
LOCATION: 13547..13564
FEATURE:
NAME/KEY: SEQ ID58
LOCATION: 13657..13703
FEATURE:
NAME/KEY: SEQ ID67
LOCATION: compl(13962..13981)
FEATURE:
NAME/KEY: Exon 2
LOCATION: 18196..18265
FEATURE:
NAME/KEY: Exon 3
LOCATION: 23717..23832
FEATURE:
NAME/KEY: Exon 4
LOCATION: 25571..25660
FEATURE:
NAME/KEY: SEQ ID43
LOCATION: 34216..34234
FEATURE:
NAME/KEY: SEQ ID25
LOCATION: 34469..34515
FEATURE:
NAME/KEY: SEQ ID52
LOCATION: compl(34625..34645)
FEATURE:
NAME/KEY: Exon 5
LOCATION: 34669..34759

FEATURE:
NAME/KEY: Exon 6
LOCATION: 40688..40846
FEATURE:
NAME/KEY: Exon 7
LOCATION: 48070..48193
FEATURE:
NAME/KEY: Exon 8
LOCATION: 50182..54523
FEATURE:
NAME/KEY: SEQ ID65
LOCATION: 51149..51168
FEATURE:
NAME/KEY: SEQ ID59
LOCATION: 51448..51494
FEATURE:
NAME/KEY: SEQ ID68
LOCATION: compl(51482..51499)
FEATURE:
NAME/KEY: SEQ ID44
LOCATION: 51596..51613
FEATURE:
NAME/KEY: SEQ ID26
LOCATION: 51612..51658
FEATURE:
NAME/KEY: SEQ ID53
LOCATION: compl(51996..52015)
FEATURE:
NAME/KEY: polyAa signal
LOCATION: 54445..54450
US-08-996-306-1
Query Match 1.6%: Score 41; DB 2; Length 56516;
Best Local Similarity 100.0%: Pred. No. 3.7e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 2080 CTTGGCCTCCCAAGTCTGGATTACAGGTGTGAGCCAC 2120
Db 6545 CTTGGCCTCCCAAGTCTGGATTACAGGTGTGAGCCAC 6585
RESULT 48
US-09-338-907-1
Sequence 1, Application US/09338907
Patent No. 6265546
GENERAL INFORMATION:
APPLICANT: Cohen, Daniel
APPLICANT: Blumenfeld, Matra
APPLICANT: Ilyu, Chumakov
APPLICANT: Bougueleret, Lydie
TITLE OF INVENTION: PROSTATE CANCER GENE
FILE REFERENCE: GENSET.18CP1CD
CURRENT APPLICATION NUMBER: US/09/338,907
CURRENT FILING DATE: 1999-06-23
EARLIER APPLICATION NUMBER: 08/996,306
EARLIER FILING DATE: 1997-12-22
EARLIER APPLICATION NUMBER: 60/099,658
EARLIER FILING DATE: 1998-09-09
EARLIER APPLICATION NUMBER: 09/218,207
EARLIER FILING DATE: 1998-12-22
NUMBER OF SEQ ID NOS: 578
SOFTWARE: Patent .pm
SEQ ID NO 1
LENGTH: 56516
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: Promoter
LOCATION: 1629..1870
OTHER INFORMATION: identification method Proscan
FEATURE:
NAME/KEY: misc feature
LOCATION: 1998..2000

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OTHER INFORMATION: potential start codon
FEATURE:
NAME/KEY: exon
LOCATION: 201..2216
OTHER INFORMATION: exon1
FEATURE:
NAME/KEY: misc_feature
LOCATION: 2031..2033
OTHER INFORMATION: ATG
FEATURE:
NAME/KEY: misc_feature
LOCATION: 11694..14332
OTHER INFORMATION: Tyr Phos
FEATURE:
NAME/KEY: primer_bind
LOCATION: 11930..11947
OTHER INFORMATION: upstream amplification primer 4-77 SEQ ID42
FEATURE:
NAME/KEY: allele
LOCATION: 12057..12103
OTHER INFORMATION: polymorphic fragment 4-77 SEQ ID24
FEATURE:
NAME/KEY: primer_bind
LOCATION: 12339..12358
OTHER INFORMATION: downstream amplification primer 4-77 SEQ ID51, complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 13547..13564
OTHER INFORMATION: upstream amplification primer 4-73 SEQ ID64
FEATURE:
NAME/KEY: allele
LOCATION: 13657..13703
OTHER INFORMATION: polymorphic fragment 4-73 SEQ ID58
FEATURE:
NAME/KEY: primer_bind
LOCATION: 13962..13981
OTHER INFORMATION: downstream amplification primer 4-73 SEQ ID67, complement
FEATURE:
NAME/KEY: exon
LOCATION: 18196..18265
OTHER INFORMATION: exon 2
FEATURE:
NAME/KEY: exon
LOCATION: 23717..23832
OTHER INFORMATION: exon 3
FEATURE:
NAME/KEY: exon
LOCATION: 25571..25660
OTHER INFORMATION: exon 4
FEATURE:
NAME/KEY: primer_bind
LOCATION: 34216..34234
OTHER INFORMATION: upstream amplification primer 99-217 SEQ ID43
FEATURE:
NAME/KEY: allele
LOCATION: 34469..34515
OTHER INFORMATION: polymorphic fragment 99-217 SEQ ID25
FEATURE:
NAME/KEY: primer_bind
LOCATION: 34625..34645
OTHER INFORMATION: downstream amplification primer 99-217 SEQ ID52, complement
FEATURE:
NAME/KEY: exon
LOCATION: 34669..34759
OTHER INFORMATION: exon 5
FEATURE:
NAME/KEY: exon
LOCATION: 40688..40846
OTHER INFORMATION: exon 6
FEATURE:
NAME/KEY: exon
LOCATION: 48070..48193
OTHER INFORMATION: exon 7

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FEATURE:
NAME/KEY: exon
LOCATION: 50182..54523
OTHER INFORMATION: exon 8
FEATURE:
NAME/KEY: primer_bind
LOCATION: 51149..51168
OTHER INFORMATION: upstream amplification primer 4-65 SEQ ID65
FEATURE:
NAME/KEY: allele
LOCATION: 51448..51494
OTHER INFORMATION: polymorphic fragment 4-65 SEQ ID59
FEATURE:
NAME/KEY: primer_bind
LOCATION: 51482..51499
OTHER INFORMATION: downstream amplification primer 4-65 SEQ ID68, complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 51996..52015
OTHER INFORMATION: upstream amplification primer 4-67 SEQ ID44
FEATURE:
NAME/KEY: allele
LOCATION: 51612..51658
OTHER INFORMATION: polymorphic fragment 4-67 SEQ ID26
FEATURE:
NAME/KEY: primer_bind
LOCATION: 51996..52015
OTHER INFORMATION: downstream amplification primer 4-67 SEQ ID53, complement
FEATURE:
NAME/KEY: polyA_signal
LOCATION: 54445..54450
OTHER INFORMATION: AATAAA
US-09-338-907-1

Query Match 1.6% Score 41; DB 4; Length 56516;
Best Local Similarity 100.0%; Pred. No. 3.7e-09;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2080 CCTGGCCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 2120
Db 6545 CCTGGCCTCCCAAGTGTGGATTACAGGTGTGAGCCAC 6585

RESULT 49
US-09-218-207-1
; Sequence 1, Application US/09218207
; Patent No. 6346381
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Ilyu, Chumakov
; APPLICANT: Bougueleret, Lydie
; TITLE OF INVENTION: Prostate cancer gene
; FILE REFERENCE: GENSET.018CPI
; CURRENT APPLICATION NUMBER: US/09/218,207
; EARLIER FILING DATE: 1998-12-22
; EARLIER APPLICATION NUMBER: 08/996,306
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: 60/099,658
; NUMBER OF SEQ ID NOS: 578
; SOFTWARE: Patent .pm
; SEQ ID NO 1
; LENGTH: 56516
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: promoter
; LOCATION: 1629..1870
; OTHER INFORMATION: identification method Proscan
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1998..2000

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/ OTHER INFORMATION: potential start codon
/ FEATURE:
/ NAME/KEY: exon
/ LOCATION: 2001..2216
/ OTHER INFORMATION: exon1
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: 2031..2033
/ OTHER INFORMATION: ATG
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: 11694..14332
/ OTHER INFORMATION: Tyr Phos
/ FEATURE:
/ NAME/KEY: primer_bind
/ LOCATION: 11930..11947
/ OTHER INFORMATION: upstream amplification primer 4-77 SEQ ID42
/ FEATURE:
/ NAME/KEY: allele
/ LOCATION: 12057..12103
/ OTHER INFORMATION: polymorphic fragment 4-77 SEQ ID24
/ FEATURE:
/ NAME/KEY: primer_bind
/ LOCATION: 12339..12358
/ OTHER INFORMATION: downstream amplification primer 4-77 SEQ ID51, complement
/ FEATURE:
/ NAME/KEY: primer_bind
/ LOCATION: 13547..13564
/ OTHER INFORMATION: upstream amplification primer 4-73 SEQ ID64
/ FEATURE:
/ NAME/KEY: allele
/ LOCATION: 13657..13703
/ OTHER INFORMATION: polymorphic fragment 4-73 SEQ ID58
/ FEATURE:
/ NAME/KEY: primer_bind
/ LOCATION: 13962..13981
/ OTHER INFORMATION: downstream amplification primer 4-73 SEQ ID67, complement
/ FEATURE:
/ NAME/KEY: exon
/ LOCATION: 18196..18265
/ OTHER INFORMATION: exon 2
/ FEATURE:
/ NAME/KEY: exon
/ LOCATION: 23717..23832
/ OTHER INFORMATION: exon 3
/ FEATURE:
/ NAME/KEY: exon
/ LOCATION: 25571..25660
/ OTHER INFORMATION: exon 4
/ FEATURE:
/ NAME/KEY: primer_bind
/ LOCATION: 34216..34234
/ OTHER INFORMATION: upstream amplification primer 99-217 SEQ ID43
/ FEATURE:
/ NAME/KEY: allele
/ LOCATION: 34469..34515
/ OTHER INFORMATION: polymorphic fragment 99-217 SEQ ID25
/ FEATURE:
/ NAME/KEY: primer_bind
/ LOCATION: 34625..34645
/ OTHER INFORMATION: downstream amplification primer 99-217 SEQ ID52, complement
/ NAME/KEY: exon
/ LOCATION: 34669..34759
/ OTHER INFORMATION: exon 5
/ FEATURE:
/ NAME/KEY: exon
/ LOCATION: 40688..40846
/ OTHER INFORMATION: exon 6
/ FEATURE:
/ NAME/KEY: exon
/ LOCATION: 48070..48193
/ OTHER INFORMATION: exon 7

```

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/ FEATURE:
/ NAME/KEY: exon
/ LOCATION: 50182..54523
/ OTHER INFORMATION: exon 8
/ FEATURE:
/ NAME/KEY: primer_bind
/ LOCATION: 51149..51168
/ OTHER INFORMATION: upstream amplification primer 4-65 SEQ ID65
/ FEATURE:
/ NAME/KEY: allele
/ LOCATION: 51448..51494
/ OTHER INFORMATION: polymorphic fragment 4-65 SEQ ID59
/ FEATURE:
/ NAME/KEY: primer_bind
/ LOCATION: 51482..51499
/ OTHER INFORMATION: downstream amplification primer 4-65 SEQ ID68, complement
/ FEATURE:
/ NAME/KEY: primer_bind
/ LOCATION: 51596..51613
/ OTHER INFORMATION: upstream amplification primer 4-67 SEQ ID44
/ FEATURE:
/ NAME/KEY: allele
/ LOCATION: 51612..51658
/ OTHER INFORMATION: polymorphic fragment 4-67 SEQ ID26
/ FEATURE:
/ NAME/KEY: primer_bind
/ LOCATION: 51996..52015
/ OTHER INFORMATION: downstream amplification primer 4-67 SEQ ID53, complement
/ FEATURE:
/ NAME/KEY: polyA_signal
/ LOCATION: 54445..54450
/ OTHER INFORMATION: AATAAA
/ US-09-218-207-1

Query Match 1.6%; Score 41; DB 4; Length 56516;
Best Local Similarity 100.0%; Pred.No. 3.7e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2080 CCTTGGCTCCCAAGTCGCGATTACAGGTGACCCAC 2120
DB 6545 CCTTGGCTCCCAAGTCGCGATTACAGGTGACCCAC 6585

RESULT 50
US-09-338-907-179
; Sequence 179, Application US/09338907
; Parent No. 6265546
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Ilya, Chumakov
; TITLE OF INVENTION: PROSTATE CANCER GENE
; FILE REFERENCE: GENSET.18C1CIP
; CURRENT APPLICATION NUMBER: US/09/338,907
; EARLIER FILING DATE: 1999-06-23
; EARLIER APPLICATION NUMBER: 08/996,306
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: 60/099,658
; EARLIER FILING DATE: 1998-09-09
; EARLIER APPLICATION NUMBER: 09/218,207
; NUMBER OF SEQ ID NOS: 578
; SOFTWARE: Patent.pm
; SEQ ID NO 179
; LENGTH: 56520
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: exon
; LOCATION: 2001..2216
; OTHER INFORMATION: exon1
; FEATURE:

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NAME/KEY: exon
LOCATION: 18196..18265
OTHER INFORMATION: exon2
FEATURE:
NAME/KEY: exon
LOCATION: 23716..23831
OTHER INFORMATION: exon3
FEATURE:
NAME/KEY: exon
LOCATION: 25570..25659
OTHER INFORMATION: exon4
FEATURE:
NAME/KEY: exon
LOCATION: 34668..34758
OTHER INFORMATION: exon5
FEATURE:
NAME/KEY: exon
LOCATION: 40685..40843
OTHER INFORMATION: exon6
FEATURE:
NAME/KEY: exon
LOCATION: 48067..48190
OTHER INFORMATION: exon7
FEATURE:
NAME/KEY: exon
LOCATION: 50179..54519
OTHER INFORMATION: exon8
FEATURE:
NAME/KEY: polyA signal
LOCATION: 54493..54498
OTHER INFORMATION: AATAAA
FEATURE:
NAME/KEY: primer bind
LOCATION: 1991..2008
OTHER INFORMATION: upstream amplification primer 5-63
FEATURE:
NAME/KEY: primer bind
LOCATION: 2505..2525
OTHER INFORMATION: downstream amplification primer 5-63 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 4091..4111
OTHER INFORMATION: downstream amplification primer 99-622
FEATURE:
NAME/KEY: primer bind
LOCATION: 4528..4546
OTHER INFORMATION: upstream amplification primer 99-622 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 5475..5495
OTHER INFORMATION: downstream amplification primer 99-621
FEATURE:
NAME/KEY: primer bind
LOCATION: 5927..5947
OTHER INFORMATION: upstream amplification primer 99-621 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 8127..8144
OTHER INFORMATION: downstream amplification primer 99-619
FEATURE:
NAME/KEY: primer bind
LOCATION: 8560..8578
OTHER INFORMATION: upstream amplification primer 99-619 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 11622..11639
OTHER INFORMATION: upstream amplification primer 4-76
FEATURE:
NAME/KEY: primer bind
LOCATION: 12018..12037
OTHER INFORMATION: downstream amplification primer 4-76 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 11930..11947
OTHER INFORMATION: upstream amplification primer 4-77
FEATURE:
NAME/KEY: primer bind
LOCATION: 12339..12358
OTHER INFORMATION: downstream amplification primer 4-77 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 12915..12932
OTHER INFORMATION: upstream amplification primer 4-71
FEATURE:
NAME/KEY: primer bind
LOCATION: 13317..13334
OTHER INFORMATION: downstream amplification primer 4-71 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 13216..13233
OTHER INFORMATION: upstream amplification primer 4-72
FEATURE:
NAME/KEY: primer bind
LOCATION: 13617..13636
OTHER INFORMATION: downstream amplification primer 4-72 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 13547..13564
OTHER INFORMATION: upstream amplification primer 4-73
FEATURE:
NAME/KEY: primer bind
LOCATION: 13962..13981
OTHER INFORMATION: downstream amplification primer 4-73 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 15994..16011
OTHER INFORMATION: downstream amplification primer 99-610
FEATURE:
NAME/KEY: primer bind
LOCATION: 16463..16480
OTHER INFORMATION: upstream amplification primer 99-610 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 17304..17324
OTHER INFORMATION: downstream amplification primer 99-609
FEATURE:
NAME/KEY: primer bind
LOCATION: 17814..17832
OTHER INFORMATION: upstream amplification primer 99-609 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 18008..18027
OTHER INFORMATION: upstream amplification primer 4-90
FEATURE:
NAME/KEY: primer bind
LOCATION: 18423..18442
OTHER INFORMATION: downstream amplification primer 4-90 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 18699..18716
OTHER INFORMATION: downstream amplification primer 99-607
FEATURE:
NAME/KEY: primer bind
LOCATION: 19164..19182
OTHER INFORMATION: upstream amplification primer 99-607 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 22589..22609
OTHER INFORMATION: downstream amplification primer 99-602
FEATURE:
NAME/KEY: primer bind
LOCATION: 23111..23129
OTHER INFORMATION: upstream amplification primer 99-602 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 25098..25118
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OTHER INFORMATION: downstream amplification primer 99-600
FEATURE:
NAME/KEY: primer_bind
LOCATION: 25657..25674
OTHER INFORMATION: upstream amplification primer 99-600 , complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 26537..26557
OTHER INFORMATION: downstream amplification primer 99-598
FEATURE:
NAME/KEY: primer_bind
LOCATION: 27022..27040
OTHER INFORMATION: upstream amplification primer 99-598 , complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 32262..32281
OTHER INFORMATION: downstream amplification primer 99-592
FEATURE:
NAME/KEY: primer_bind
LOCATION: 32823..32841
OTHER INFORMATION: upstream amplification primer 99-592 , complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 34215..34233
OTHER INFORMATION: upstream amplification primer 99-217
FEATURE:
Query Match 1.6%; Score 41; DB 4; Length 56520;
Best Local Similarity 100.0%; Pred. No. 3,7e-08;
Matches 41; Conservative 0; Mismatches 0; Gaps 0; Indels 0;

Oy 2080 CCTGGCCTCCCAAGTCTGGGATTACAGGTGAGGCAC 2120
Db 6545 CTTGGCTCCCAAGTCTGGGATTACAGGTGAGGCAC 6585

RESULT 51
US-09-218-207-179
; Sequence 179, Application US/09218207
; Patent No. 6346381
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Ilya, Chumakov
; APPLICANT: Bougueleret, Lydie
; TITLE OF INVENTION: Prostate cancer gene
; FILE REFERENCE: GENSET.018CP1
; CURRENT APPLICATION NUMBER: US/09/218,207
; EARLIER FILING DATE: 1998-12-22
; EARLIER APPLICATION NUMBER: 08/996,306
; EARLIER FILING DATE: 1997-12-22
; EARLIER APPLICATION NUMBER: 60/099,658
; NUMBER OF SEQ ID NOS: 578
; SOFTWARE: Patent.pm
; SEQ ID NO 179
; LENGTH: 56520
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: exon
; LOCATION: 201..2216
; OTHER INFORMATION: exon1
; FEATURE:
; NAME/KEY: exon
; LOCATION: 18196..18265
; OTHER INFORMATION: exon2
; NAME/KEY: exon
; LOCATION: 23716..23831
; OTHER INFORMATION: exon3
; FEATURE:
; NAME/KEY: exon
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LOCATION: 25570..25659
OTHER INFORMATION: exon4
FEATURE:
NAME/KEY: exon
LOCATION: 34668..34758
OTHER INFORMATION: exon5
FEATURE:
NAME/KEY: exon
LOCATION: 40685..40843
OTHER INFORMATION: exon6
FEATURE:
NAME/KEY: exon
LOCATION: 48067..48190
OTHER INFORMATION: exon7
FEATURE:
NAME/KEY: exon
LOCATION: 50179..54519
OTHER INFORMATION: exon8
FEATURE:
NAME/KEY: polyA_signal
LOCATION: 54493..54498
OTHER INFORMATION: AATAAA
FEATURE:
NAME/KEY: primer_bind
LOCATION: 1931..2008
OTHER INFORMATION: upstream amplification primer 5-63
FEATURE:
NAME/KEY: primer_bind
LOCATION: 2505..2525
OTHER INFORMATION: downstream amplification primer 5-63 , complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 4091..4111
OTHER INFORMATION: downstream amplification primer 99-622
FEATURE:
NAME/KEY: primer_bind
LOCATION: 4528..4546
OTHER INFORMATION: upstream amplification primer 99-622 , complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 5475..5495
OTHER INFORMATION: downstream amplification primer 99-621
FEATURE:
NAME/KEY: primer_bind
LOCATION: 5927..5947
OTHER INFORMATION: upstream amplification primer 99-621 , complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 8127..8144
OTHER INFORMATION: downstream amplification primer 99-619
FEATURE:
NAME/KEY: primer_bind
LOCATION: 8560..8578
OTHER INFORMATION: upstream amplification primer 99-619 , complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 11622..11639
OTHER INFORMATION: upstream amplification primer 4-76
FEATURE:
NAME/KEY: primer_bind
LOCATION: 12018..12037
OTHER INFORMATION: downstream amplification primer 4-76 , complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 11930..11947
OTHER INFORMATION: upstream amplification primer 4-77
FEATURE:
NAME/KEY: primer_bind
LOCATION: 12339..12358
OTHER INFORMATION: downstream amplification primer 4-77 , complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 12915..12932
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OTHER INFORMATION: upstream amplification primer 4-71
FEATURE:
NAME/KEY: primer bind
LOCATION: 13317..13334
OTHER INFORMATION: downstream amplification primer 4-71 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 13216..13233
OTHER INFORMATION: upstream amplification primer 4-72
FEATURE:
NAME/KEY: primer bind
LOCATION: 13617..13636
OTHER INFORMATION: downstream amplification primer 4-72 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 13547..13564
OTHER INFORMATION: upstream amplification primer 4-73
FEATURE:
NAME/KEY: primer bind
LOCATION: 13962..13981
OTHER INFORMATION: downstream amplification primer 4-73 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 15994..16011
OTHER INFORMATION: downstream amplification primer 99-610
FEATURE:
NAME/KEY: primer bind
LOCATION: 16463..16480
OTHER INFORMATION: upstream amplification primer 99-610 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 17304..17324
OTHER INFORMATION: downstream amplification primer 99-609
FEATURE:
NAME/KEY: primer bind
LOCATION: 17814..17832
OTHER INFORMATION: upstream amplification primer 99-609 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 18008..18027
OTHER INFORMATION: upstream amplification primer 4-90
FEATURE:
NAME/KEY: primer bind
LOCATION: 18423..18442
OTHER INFORMATION: downstream amplification primer 4-90 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 18699..18716
OTHER INFORMATION: downstream amplification primer 99-607
FEATURE:
NAME/KEY: primer bind
LOCATION: 19164..19182
OTHER INFORMATION: upstream amplification primer 99-607 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 22589..22609
OTHER INFORMATION: downstream amplification primer 99-602
FEATURE:
NAME/KEY: primer bind
LOCATION: 23111..23129
OTHER INFORMATION: upstream amplification primer 99-602 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 25098..25118
OTHER INFORMATION: downstream amplification primer 99-600
FEATURE:
NAME/KEY: primer bind
LOCATION: 25657..25674
OTHER INFORMATION: upstream amplification primer 99-600 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 26537..26557
OTHER INFORMATION: downstream amplification primer 99-598

FEATURE:
NAME/KEY: primer bind
LOCATION: 27022..27040
OTHER INFORMATION: upstream amplification primer 99-598 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 32262..32281
OTHER INFORMATION: downstream amplification primer 99-592
FEATURE:
NAME/KEY: primer bind
LOCATION: 32823..32841
OTHER INFORMATION: upstream amplification primer 99-592 , complement
FEATURE:
NAME/KEY: primer bind
LOCATION: 34215..34233
OTHER INFORMATION: upstream amplification primer 99-217
FEATURE:
NAME/KEY: primer bind
LOCATION: 34624..34644

Query Match 1.6%; Score 41; DB 4; Length 56520;
Best Local Similarity 100.0%; Pred. No. 3,7e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2080 CCTGGCCTCCCAAGTGTGGGATTACAGTGTGAGCCAC 2120
Db 6545 CCTGGCCTCCCAAGTGTGGGATTACAGTGTGAGCCAC 6585

RESULT 52
US-09-813-817-3/c
; Sequence 3, Application US/09813817
; Patent No. 6340583
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: C1001178
; CURRENT APPLICATION NUMBER: US/09/813,817
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 59065
; TYPE: DNA
; ORGANISM: Human
US-09-813-817-3

Query Match 1.6%; Score 41; DB 4; Length 59065;
Best Local Similarity 100.0%; Pred. No. 3,7e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2080 CCTGGCCTCCCAAGTGTGGGATTACAGTGTGAGCCAC 2120
Db 41383 CCTGGCCTCCCAAGTGTGGGATTACAGTGTGAGCCAC 41343

RESULT 53
US-09-978-197-3/c
; Sequence 3, Application US/09978197
; Patent No. 6403153
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: C1001178DIV
; CURRENT APPLICATION NUMBER: US/09/978,197
; CURRENT FILING DATE: 2001-10-17
; PRIOR APPLICATION NUMBER: 09/813,817
; PRIOR FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4

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/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 3
/ LENGTH: 59065
/ TYPE: DNA
/ ORGANISM: Human
US-09-978-197-3
```

```
Query Match 1.6%; Score 41; DB 4; Length 59065;
Best Local Similarity 100.0%; Pred. No. 3.7e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 2080 CCTGGCCTCCCAAGTGTGGGATTACAGGTGTGAGCCAC 2120
Db 41383 CCTGGCCTCCCAAGTGTGGGATTACAGGTGTGAGCCAC 41343
```

```
RESULT 54
US-09-797-906-3
/ Sequence 3, Application US/09797906
/ Patent No. 6329188
```

```
/ GENERAL INFORMATION:
/ APPLICANT: Zianhe YAN, Karen A. KENCHUM, Valentina DIPRANCESCO, Ellen M. BEASLEY
/ TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS
/ TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
/ FILE REFERENCE: CL001151CIP
/ CURRENT APPLICATION NUMBER: US/09/797,906
/ CURRENT FILING DATE: 2001-03-05
/ NUMBER OF SEQ ID NOS: 5
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 3
/ LENGTH: 84495
/ TYPE: DNA
/ ORGANISM: Human
/ FEATURE:
/ NAME/KEY: misc.feature
/ LOCATION: (1)...(84495)
/ OTHER INFORMATION: n = A,T,C or G
US-09-797-906-3
```

```
Query Match 1.6%; Score 41; DB 4; Length 84495;
Best Local Similarity 100.0%; Pred. No. 3.6e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 2080 CCTGGCCTCCCAAGTGTGGGATTACAGGTGTGAGCCAC 2120
Db 8469 CCTGGCCTCCCAAGTGTGGGATTACAGGTGTGAGCCAC 8509
```

```
RESULT 55
US-09-791-211-10
/ Sequence 10, Application US/09791211
/ Patent No. 6448080
```

```
/ GENERAL INFORMATION:
/ APPLICANT: Donna T. Ward
/ TITLE OF INVENTION: ANTISENSE MODULATION OF WRN EXPRESSION
/ FILE REFERENCE: RTS-0205
/ CURRENT APPLICATION NUMBER: US/09/791,211
/ CURRENT FILING DATE: 2001-02-23
/ NUMBER OF SEQ ID NOS: 90
/ SEQ ID NO 10
/ LENGTH: 98844
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: 24962
/ OTHER INFORMATION: unknown
/ NAME/KEY: unsure
/ LOCATION: 64383
/ OTHER INFORMATION: unknown
/ NAME/KEY: unsure
```

```
/ LOCATION: 65468
/ OTHER INFORMATION: unknown
/ NAME/KEY: unsure
/ LOCATION: 65469
/ OTHER INFORMATION: unknown
/ NAME/KEY: unsure
/ LOCATION: 65470
/ OTHER INFORMATION: unknown
/ NAME/KEY: unsure
/ LOCATION: 65471
/ OTHER INFORMATION: unknown
/ NAME/KEY: unsure
/ LOCATION: 87130
/ OTHER INFORMATION: unknown
/ NAME/KEY: unsure
/ LOCATION: 89049
/ OTHER INFORMATION: unknown
/ OTHER INFORMATION:
US-09-791-211-10
```

```
Query Match 1.6%; Score 41; DB 4; Length 98844;
Best Local Similarity 100.0%; Pred. No. 3.5e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 2080 CCTGGCCTCCCAAGTGTGGGATTACAGGTGTGAGCCAC 2120
Db 64762 CCTGGCCTCCCAAGTGTGGGATTACAGGTGTGAGCCAC 64802
```

```
RESULT 56
US-09-128-155-16
/ Sequence 16, Application US/09128155
/ Patent No. 6117654
```

```
/ GENERAL INFORMATION:
/ APPLICANT: Pan, Yang
/ TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
/ TITLE OF INVENTION: AND USES THEREOF
/ FILE REFERENCE: 09404/052001
/ CURRENT APPLICATION NUMBER: US/09/128,155
/ CURRENT FILING DATE: 1998-08-03
/ EARLIER APPLICATION NUMBER: US 60/091,650
/ EARLIER FILING DATE: 1998-07-02
/ EARLIER APPLICATION NUMBER: US 60/054,646
/ EARLIER FILING DATE: 1997-08-04
/ NUMBER OF SEQ ID NOS: 18
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 16
/ LENGTH: 152331
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: misc.feature
/ LOCATION: (1)...(152331)
/ OTHER INFORMATION: n = A,T,C or G
US-09-128-155-16
```

```
Query Match 1.6%; Score 41; DB 3; Length 152331;
Best Local Similarity 100.0%; Pred. No. 3.4e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 2080 CCTGGCCTCCCAAGTGTGGGATTACAGGTGTGAGCCAC 2120
Db 1732 CCTGGCCTCCCAAGTGTGGGATTACAGGTGTGAGCCAC 1772
```

```
RESULT 57
US-09-345-882-1
/ Sequence 1, Application US/09345882
/ Patent No. 6399373
```

```
/ GENERAL INFORMATION:
/ APPLICANT: Boujelert, Lydie
/ TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-7)
/ TITLE OF INVENTION: AND POLYMORPHIC MARKERS ASSOCIATED WITH SAID NUCLEIC ACID.
```



```
FILE REFERENCE: GENSET-031A
CURRENT APPLICATION NUMBER: US/09/345,882
CURRENT FILING DATE: 1999-06-30
PRIOR APPLICATION NUMBER: US 60/091,315
PRIOR FILING DATE: 1998-06-30
PRIOR APPLICATION NUMBER: US 60/111,909
PRIOR FILING DATE: 1998-12-10
NUMBER OF SEQ ID NOS: 140
SOFTWARE: Patent.pm
SEQ ID NO 1
LENGTH: 162450
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: allele
LOCATION: 72794
OTHER INFORMATION: 5-124-273 : polymorphic base A or G
FEATURE:
NAME/KEY: allele
LOCATION: 88073
OTHER INFORMATION: 5-127-261 : polymorphic base A or C
FEATURE:
NAME/KEY: allele
LOCATION: 90842
OTHER INFORMATION: 99-1437-325 : polymorphic base A or G
FEATURE:
NAME/KEY: allele
LOCATION: 93714
OTHER INFORMATION: 5-128-60 : polymorphic base deletion of GT
FEATURE:
NAME/KEY: allele
LOCATION: 97122
OTHER INFORMATION: 99-1442-224 : polymorphic base G or T
FEATURE:
NAME/KEY: allele
LOCATION: 97152
OTHER INFORMATION: 5-129-144 : polymorphic base deletion of T
FEATURE:
NAME/KEY: allele
LOCATION: 99098
OTHER INFORMATION: 5-130-257 : polymorphic base A or G
FEATURE:
NAME/KEY: allele
LOCATION: 99117
OTHER INFORMATION: 5-130-276 : polymorphic base A or G
FEATURE:
NAME/KEY: allele
LOCATION: 103806
OTHER INFORMATION: 5-131-395 : polymorphic base A or T
FEATURE:
NAME/KEY: allele
LOCATION: 106940
OTHER INFORMATION: 5-133-375 : polymorphic base insertion of A
FEATURE:
NAME/KEY: allele
LOCATION: 108106
OTHER INFORMATION: 5-135-155 : polymorphic base insertion of A
FEATURE:
NAME/KEY: allele
LOCATION: 108149
OTHER INFORMATION: 5-135-198 : polymorphic base insertion of GTTT
FEATURE:
NAME/KEY: allele
LOCATION: 108308
OTHER INFORMATION: 5-135-357 : polymorphic base A or G
FEATURE:
NAME/KEY: allele
LOCATION: 108471
OTHER INFORMATION: 5-136-174 : polymorphic base C or T
FEATURE:
NAME/KEY: allele
LOCATION: 134134
OTHER INFORMATION: 5-140-120 : polymorphic base C or T
FEATURE:
NAME/KEY: allele
LOCATION: 134362
OTHER INFORMATION: 5-140-348 : polymorphic base insertion of A
FEATURE:
NAME/KEY: allele
LOCATION: 134374
OTHER INFORMATION: 5-140-361 : polymorphic base insertion of CA
FEATURE:
NAME/KEY: allele
LOCATION: 146328
OTHER INFORMATION: 5-143-84 : polymorphic base A or G
FEATURE:
NAME/KEY: allele
LOCATION: 146345
OTHER INFORMATION: 5-143-101 : polymorphic base A or C
FEATURE:
NAME/KEY: allele
LOCATION: 150329
OTHER INFORMATION: 5-145-24 : polymorphic base A or G
FEATURE:
NAME/KEY: allele
LOCATION: 160031
OTHER INFORMATION: 5-148-352 : polymorphic base G or T
FEATURE:
NAME/KEY: allele
LOCATION: 72771..72817
OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID51
FEATURE:
NAME/KEY: allele
LOCATION: 88050..88096
OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID31
FEATURE:
NAME/KEY: allele
LOCATION: 90819..90865
OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID49
FEATURE:
NAME/KEY: allele
LOCATION: 90819..90865
OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID70
FEATURE:
NAME/KEY: allele
LOCATION: 93690..93736
OTHER INFORMATION: polymorphic fragment 5-128-60 SEQ ID53
FEATURE:
NAME/KEY: allele
LOCATION: 97099..97145
OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID50
FEATURE:
NAME/KEY: allele
LOCATION: 97130..97177
OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID33
FEATURE:
NAME/KEY: allele
LOCATION: 97130..97177
OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID54
FEATURE:
```

```
NAME/KEY: allele
LOCATION: 99075..99121
OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID34
FEATURE:
NAME/KEY: allele
LOCATION: 99075..99121
OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID55
FEATURE:
NAME/KEY: allele
LOCATION: 99094..99140
OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID35
FEATURE:
NAME/KEY: allele
LOCATION: 99094..99140
OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID56
FEATURE:
NAME/KEY: allele
LOCATION: 103783..103828
OTHER INFORMATION: polymorphic fragment 5-131-395 SEQ ID36
FEATURE:
NAME/KEY: allele
LOCATION: 103783..103828
OTHER INFORMATION: polymorphic fragment 5-131-395 SEQ ID57
FEATURE:
NAME/KEY: allele
LOCATION: 106918..106966
OTHER INFORMATION: polymorphic fragment 5-133-375 SEQ ID37
FEATURE:
NAME/KEY: allele
LOCATION: 106918..106966
OTHER INFORMATION: polymorphic fragment 5-133-375 SEQ ID58
FEATURE:
NAME/KEY: allele
LOCATION: 108084..108130
OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID38
FEATURE:
NAME/KEY: allele
LOCATION: 108084..108130
OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID59
FEATURE:
NAME/KEY: allele
LOCATION: 108127..108177
OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID39
FEATURE:
NAME/KEY: allele
LOCATION: 108127..108177
OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID60
FEATURE:

Query Match 1.6% Score 41; DB 4; Length 162450;
Best Local Similarity 100.0%; Pred. No. 3.3e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2080 CCTGGCCTCCCAAGTGTGATTCAGGTGTGAGCCAC 2120
DB 54204 CCTGGCCTCCCAAGTGTGATTCAGGTGTGAGCCAC 54244

RESULT 58
US-09-676-610B-24/c
Sequence 24, Application US/09676610B
Patent No. 644465
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Jacqueline Wyatt
APPLICANT: Susan M. Freier
TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITION OF HER-1 EXPRESSION
FILE REFERENCE: RTS-0138
CURRENT APPLICATION NUMBER: US/09/676,610B
NUMBER OF SEQ ID NOS: 182
SEQ ID NO 24
LENGTH: 169998
```

```
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: exon
LOCATION: (1208) ... (1472)
NAME/KEY: intron
LOCATION: (1473) ... (124390)
NAME/KEY: exon
LOCATION: (124391) ... (124544)
NAME/KEY: intron
LOCATION: (124545) ... (125409)
NAME/KEY: exon
LOCATION: (125410) ... (125595)
NAME/KEY: intron
LOCATION: (125596) ... (128711)
NAME/KEY: exon
LOCATION: (128712) ... (128848)
NAME/KEY: intron
LOCATION: (128849) ... (133400)
NAME/KEY: exon
LOCATION: (133401) ... (133469)
NAME/KEY: intron
LOCATION: (133470) ... (134652)
NAME/KEY: exon
LOCATION: (134653) ... (134773)
NAME/KEY: intron
LOCATION: (134774) ... (136116)
NAME/KEY: exon
LOCATION: (136117) ... (136261)
NAME/KEY: intron
LOCATION: (136262) ... (137936)
NAME/KEY: exon
LOCATION: (137937) ... (138053)
NAME/KEY: intron
LOCATION: (138054) ... (138637)
NAME/KEY: exon
LOCATION: (138638) ... (138766)
NAME/KEY: intron
LOCATION: (138767) ... (138864)
NAME/KEY: exon
LOCATION: (138865) ... (138940)
NAME/KEY: intron
LOCATION: (138941) ... (139765)
NAME/KEY: exon
LOCATION: (139766) ... (139860)
NAME/KEY: intron
LOCATION: (139861) ... (142245)
NAME/KEY: exon
LOCATION: (142246) ... (142445)
NAME/KEY: intron
LOCATION: (142446) ... (143605)
NAME/KEY: exon
LOCATION: (143606) ... (143738)
NAME/KEY: intron
LOCATION: (143739) ... (145838)
NAME/KEY: exon
LOCATION: (145839) ... (145931)
NAME/KEY: intron
LOCATION: (145932) ... (147385)
NAME/KEY: exon
LOCATION: (147386) ... (147544)
NAME/KEY: intron
LOCATION: (147545) ... (153274)
NAME/KEY: exon
LOCATION: (153275) ... (153321)
NAME/KEY: intron
LOCATION: (153322) ... (155088)
NAME/KEY: exon
LOCATION: (155089) ... (155231)
NAME/KEY: intron
LOCATION: (155232) ... (156025)
NAME/KEY: exon
LOCATION: (156026) ... (156151)
```

NAME/KEY: intron
LOCATION: (156152)...(156826)
NAME/KEY: exon
LOCATION: (156827)...(156928)
NAME/KEY: intron
LOCATION: (156929)...(163399)
NAME/KEY: exon
LOCATION: (163400)...(163586)
US-09-676-610B-24

Query Match 1.6%; Score 41; DB 4; Length 169998;
Best Local Similarity 100.0%; Pred. No. 3.3e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2080 CCTTGCTCCCAAGTGGGATTACAGGTGAGCCAC 2120
Db 17540 CCTTGCTCCCAAGTGGGATTACAGGTGAGCCAC 17500

RESULT 59
US-09-128-155-17/c
Sequence 17, Application US/09128155
Patent No. 6117654
GENERAL INFORMATION:
APPLICANT: Pan, Yang
TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
FILE REFERENCE: 09404/052001
CURRENT FILING DATE: US/09/128.155
EARLIER FILING DATE: 1998-08-03
EARLIER FILING DATE: 1998-07-02
EARLIER APPLICATION NUMBER: US 60/054,646
EARLIER FILING DATE: 1997-08-04
NUMBER OF SEQ ID NOS: 18
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 17
LENGTH: 176373
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(176373)
OTHER INFORMATION: n = A,T,C or G
US-09-128-155-17

Query Match 1.6%; Score 41; DB 3; Length 176373;
Best Local Similarity 100.0%; Pred. No. 3.3e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2080 CCTTGCTCCCAAGTGGGATTACAGGTGAGCCAC 2120
Db 8829 CCTTGCTCCCAAGTGGGATTACAGGTGAGCCAC 8789

RESULT 60
US-08-938-669A-5
Sequence 5, Application US/08938669A
Patent No. 6171788
GENERAL INFORMATION:
APPLICANT: Nguyen, Thai D.
APPLICANT: Polansky, Jon R.
TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS,
PROGNOSIS AND TREATMENT OF GLAUCOMA AND
TITLE OF INVENTION: RELATED DISEASES
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Howrey & Simon
STREET: 1299 Pennsylvania Avenue, N.W.
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20004-2402

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/938,669A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/791,154
FILING DATE: 28-JAN-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mendelson, Elliot
REGISTRATION NUMBER: P-42,878
REFERENCE/DOCKET NUMBER: 07425-0034
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202 383-6857
TELEFAX: 202 383-6610
TELEX:
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 2099 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-938-669A-5

Query Match 1.6%; Score 40; DB 4; Length 2099;
Best Local Similarity 100.0%; Pred. No. 1.3e-07;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2071 ATCCACCACCTTGCTCCCAAGTGGGATTACAGG 2110
Db 1940 ATCCACCACCTTGCTCCCAAGTGGGATTACAGG 1979

RESULT 61
US-08-757-223-7/c
Sequence 7, Application US/08757223
Patent No. 6136530
GENERAL INFORMATION:
APPLICANT: Poduslo, Shirley E.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR ASSESSING RISK
TITLE OF INVENTION: FACTORS IN ALZHEIMER'S DISEASE
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Locke Purnell Rain Harrell
STREET: 2200 Ross Avenue, Suite 2200
CITY: Dallas
STATE: Texas
ZIP: 75201-6776
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentia Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,223
FILING DATE: No. 6136530ember 27, 1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Mayfield, Denise L.
REFERENCE/DOCKET NUMBER: 4-003US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 214/740-8785
TELEFAX: 214/740-8800
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 5375 base pairs
TYPE: nucleic acid
STRANDEDNESS: single

TOPOLOGY: linear
US-08-757-223-7

Query Match 1.6%; Score 40; DB 3; Length 5375;
Best Local Similarity 100.0%; Pred. No. 1.2e-07;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2080 CTTGGCTCCCAAGTCTGGATTACAGGTGAGCCA 2119
Db 3545 CTTGGCTCCCAAGTCTGGATTACAGGTGAGCCA 3506

RESULT 62
US-09-345-217-3/C

Sequence 3, Application US/09345217
Patent No. 6288142
GENERAL INFORMATION:
APPLICANT: DUFF, GORDON W.
APPLICANT: COX, ANGELA
APPLICANT: CAMP, NICOLA J.
APPLICANT: DIGIOVINE, FRANCESCO S.
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR DISEASES ASSOCIATED
WITH AN IL-1 INFLAMMATORY HAPLOTYPE
FILE REFERENCE: MSA-010.02
CURRENT FILING DATE: 1999-06-30
CURRENT APPLICATION NUMBER: US/09/345,217
EARLIER APPLICATION NUMBER: PCT/GB98/01481
EARLIER FILING DATE: 1998-05-21
EARLIER APPLICATION NUMBER: 9711040.7
EARLIER FILING DATE: 1997-05-29
NUMBER OF SEQ ID NOS: 32
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 3
LENGTH: 12565
TYPE: DNA
ORGANISM: Homo sapiens
US-09-345-217-3

Query Match 1.6%; Score 40; DB 4; Length 12565;
Best Local Similarity 100.0%; Pred. No. 1.1e-07;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2081 CTTGGCTCCCAAGTCTGGATTACAGGTGAGCCA 2120
Db 1279 CTTGGCTCCCAAGTCTGGATTACAGGTGAGCCA 1240

RESULT 63
US-08-687-080-105

Sequence 105, Application US/08687080
Patent No. 5965427
GENERAL INFORMATION:
APPLICANT: Gregory Dolganov
TITLE OF INVENTION: Human RAD50 Gene and Methods of Use Thereof
NUMBER OF SEQUENCES: 175
CORRESPONDENCE ADDRESS:
ADDRESSEE: Delinger & Associates
STREET: 350 Cambridge Avenue, Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/687,080
FILING DATE: 17-JUL-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/592,126

FILING DATE: 26-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Sholtz, Charles K.
REGISTRATION NUMBER: 38,615
REFERENCE/DOCKET NUMBER: 4600-0111.30
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 324-0880
TELEFAX: (415) 324-0960
INFORMATION FOR SEQ ID NO: 105:
SEQUENCE CHARACTERISTICS:
LENGTH: 13158 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHEICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: 5' END OF INTRON 21 OF RAD50 GENOMIC
INDIVIDUAL ISOLATE: SEQUENCE
US-08-687-080-105

Query Match 1.6%; Score 40; DB 2; Length 13158;
Best Local Similarity 100.0%; Pred. No. 1.1e-07;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1875 GCTGAGTGCATGACGATCTCAGCTCACTGCACTC 1914
Db 130 GCTGAGTGCATGACGATCTCAGCTCACTGCACTC 169

RESULT 64

US-09-734-673-3/C
Sequence 3, Application US/09734673
Patent No. 6410294
GENERAL INFORMATION:
APPLICANT: GUEGLER, Karl et al
TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
TITLE OF INVENTION: THEREOF
FILE REFERENCE: CLO01020
CURRENT APPLICATION NUMBER: US/09/734,673
CURRENT FILING DATE: 2000-12-13
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 38564
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(38564)
OTHER INFORMATION: n = A,T,C or G
US-09-734-673-3

Query Match 1.6%; Score 40; DB 4; Length 38564;
Best Local Similarity 100.0%; Pred. No. 1e-07;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2071 ATCCACCCACCTGGCTCCCAAGTCTGGATTACAG 2110
Db 12172 ATCCACCCACCTGGCTCCCAAGTCTGGATTACAG 12133

RESULT 65

US-09-146-053-4/C
Sequence 4, Application US/09146053A
Patent No. 6399349
GENERAL INFORMATION:
APPLICANT: Ryan, James W.
APPLICANT: Sprinkle, Terry Joe Curtis
APPLICANT: Venema, Richard C.
TITLE OF INVENTION: Human Aminopeptidase P Gene

```
FILE REFERENCE: MCG103
CURRENT APPLICATION NUMBER: US/09/146,053A
CURRENT FILING DATE: 1998-09-02
EARLIER APPLICATION NUMBER: 60/057,854
EARLIER FILING DATE: 1997-09-02
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
LENGTH: 50000
TYPE: DNA
ORGANISM: Homo sapiens
US-09-146-053-4

Query Match
Best Local Similarity 1.6%; Score 40; DB 4; Length 50000;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2071 ATCCACCCACCTTGCGCTCCCAAGTCTGGATTACAGG 2110
Db 44856 ATCCACCCACCTTGCGCTCCCAAGTCTGGATTACAGG 44817

RESULT 66
US-09-798-096-10/c
Sequence 10, Application US/09798096
Patent No. 6393978
GENERAL INFORMATION:
APPLICANT: Donna T. Ward
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF RECD2 EXPRESSION
FILE REFERENCE: RTS-0207
CURRENT APPLICATION NUMBER: US/09/798,096
CURRENT FILING DATE: 2001-03-01
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 10
LENGTH: 99500
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
US-09-798-096-10

Query Match
Best Local Similarity 1.6%; Score 40; DB 4; Length 99500;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2076 CCCACCTTGCGCTCCCAAGTCTGGATTACAGTGTGA 2115
Db 72510 CCCACCTTGCGCTCCCAAGTCTGGATTACAGTGTGA 72471

RESULT 67
US-09-063-743-4/c
Sequence 4, Application US/09063743
Patent No. 6242214
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: Lal, Preeti
APPLICANT: Guegler, Karl J.
APPLICANT: Corley, Neil C.
APPLICANT: Patterson, Chandra
TITLE OF INVENTION: HUMAN GTPASE-ASSOCIATED PROTEINS
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSER: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
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SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/063,743
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Carrone, Michael C
REGISTRATION NUMBER: 39,132
REFERENCE/DOCKET NUMBER: PF-0508 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 1051 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: TRIMNOTOS
CLONE: 2908824
US-09-063-743-4

Query Match
Best Local Similarity 1.5%; Score 39; DB 4; Length 1051;
Matches 39; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2510 TTTCATTAAAGATTGATTATTACAGTATGTGAAA 2548
Db 1043 TTTCATTAAAGATTGATTATTACAGTATGTGAAA 1005

RESULT 68
US-09-590-540-4/c
Sequence 4, Application US/09590540
Patent No. 6410267
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: Lal, Preeti
APPLICANT: Guegler, Karl J.
APPLICANT: Corley, Neil C.
APPLICANT: Patterson, Chandra
TITLE OF INVENTION: HUMAN GTPASE-ASSOCIATED PROTEINS
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSER: Incyte Genomics, Inc.
STREET: 3160 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 3.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/590,540
FILING DATE: 08-Jun-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/063,743
FILING DATE: April 21, 1998
ATTORNEY/AGENT INFORMATION:
NAME: David G. Streeter
REGISTRATION NUMBER: 43,168
REFERENCE/DOCKET NUMBER: PF-0508-1 DIV
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
```

TELEFAX: 650-845-4166
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 1051 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: THYMNCT05
CLONE: 2908824
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-590-540-4

Query Match 1.5%; Score 39; DB 4; Length 1051;
Best Local Similarity 100.0%; Pred. No. 3.7e-07;
Matches 39; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 2510 TTCTCAATTAAAGATTGATTGATTGACATGTAATA 2548
Db 1043 TTCTCAATTAAAGATTGATTGATTGACATGTAATA 1005

RESULT 69
US-09-293-505-8/c
Sequence 8, Application US/09293505
Patent No. 6348575
GENERAL INFORMATION:
APPLICANT: de Sauvage, Frederic
APPLICANT: Carpenter, David A.
TITLE OF INVENTION: Patched-2
FILE REFERENCE: P1405R1
CURRENT APPLICATION NUMBER: US/09/293,505
CURRENT FILING DATE: 1999-04-15
EARLIER APPLICATION NUMBER: US 60/081,884
EARLIER FILING DATE: 1998-04-15
NUMBER OF SEQ ID NOS: 32
SEQ ID NO 8
LENGTH: 4004
TYPE: DNA
ORGANISM: Homo sapiens
US-09-293-505-8

Query Match 1.5%; Score 39; DB 4; Length 4004;
Best Local Similarity 100.0%; Pred. No. 3.2e-07;
Matches 39; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1875 GCTGAGTGCATGCGACATCTCAGCTCAGTCACT 1913
Db 3945 GCTGAGTGCATGCGACATCTCAGCTCAGTCACT 3907

RESULT 70
US-09-197-636-1
Sequence 1, Application US/09197636
Patent No. 6239267
GENERAL INFORMATION:
APPLICANT: DUCKWORTH, DAVID
APPLICANT: HAYES, PHILIP
APPLICANT: MEADOWS, HELEN
APPLICANT: DAVIS, JOHN
TITLE OF INVENTION: NOVEL COMPOUNDS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Ratner & Prestia
STREET: P.O. Box 980
CITY: Valley Forge
STATE: PA
COUNTRY: US
ZIP: 19482-0980
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ For Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/197,636
FILING DATE: 23-NOV-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UK 9805137.8
FILING DATE: 12-MAR-1998
APPLICATION NUMBER: UK 9815791.0
FILING DATE: 21-JUL-1998
APPLICATION NUMBER: UK 9819278.4
FILING DATE: 03-SEP-1998
ATTORNEY/AGENT INFORMATION:
NAME: Prestia, Paul F
REGISTRATION NUMBER: 23,031
REFERENCE/DOCKET NUMBER: GP-30075
TELECOMMUNICATION INFORMATION:
TELEPHONE: 601-407-0700
TELEFAX: 601-407-0701
TELEX: 846169
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4803 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-09-197-636-1

Query Match 1.5%; Score 39; DB 4; Length 4803;
Best Local Similarity 100.0%; Pred. No. 3.2e-07;
Matches 39; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 2080 CTTGGCCTCCCAAGTCTGGGATTACGTGTGAGCC 2118
Db 4257 CTTGGCCTCCCAAGTCTGGGATTACGTGTGAGCC 4295

RESULT 71
US-09-197-636-3
Sequence 3, Application US/09197636
Patent No. 6239267
GENERAL INFORMATION:
APPLICANT: DUCKWORTH, DAVID
APPLICANT: HAYES, PHILIP
APPLICANT: MEADOWS, HELEN
APPLICANT: DAVIS, JOHN
TITLE OF INVENTION: NOVEL COMPOUNDS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Ratner & Prestia
STREET: P.O. Box 980
CITY: Valley Forge
STATE: PA
COUNTRY: US
ZIP: 19482-0980
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ For Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/197,636
FILING DATE: 23-NOV-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UK 9805137.8
FILING DATE: 12-MAR-1998
APPLICATION NUMBER: UK 9815791.0
FILING DATE: 21-JUL-1998
APPLICATION NUMBER: UK 9819278.4
FILING DATE: 03-SEP-1998

ATTORNEY/AGENT INFORMATION:
NAME: Prestia, Paul F.
REGISTRATION NUMBER: 23, 031
REFERENCE/DOCKET NUMBER: GP-30075
TELECOMMUNICATION INFORMATION:
TELEPHONE: 601-407-0700
TELEFAX: 610-407-0701
TELEX: 846169
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 4803 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-197-636-3

Query Match 1.5%; Score 39; DB 4; Length 4803;
Best Local Similarity 100.0%; Pred. No. 3.2e-07;
Matches 39; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 2080 CCTGGCCTCCCAAGTGTGGGATTACAGGTGAGCC 2118
Db 4257 CTTGGCCTCCCAAGTGTGGGATTACAGGTGAGCC 4295

RESULT 72
US-08-480-784-20/c
Sequence 20, Application US/08480784
Patent No. 5693473
GENERAL INFORMATION:
APPLICANT: Skolnick, Mark H.
APPLICANT: Goldgar, David E.
APPLICANT: Miki, Yoshio
APPLICANT: Swenson, Jeff
APPLICANT: Kamb, Alexander
APPLICANT: Harshman, Keith D.
APPLICANT: Shattuck-Eidens, Donna M.
APPLICANT: Tavtigian, Sean V.
APPLICANT: Wiseman, Roger W.
APPLICANT: Futreal, P. Andrew
TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer
TITLE OF INVENTION: Susceptibility Gene
NUMBER OF SEQUENCES: 85
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, N.W., Suite 1000
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,784
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/409,305
FILING DATE: 24-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/348,824
FILING DATE: 29-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/308,104
FILING DATE: 16-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/300,266
FILING DATE: 02-SEP-1994
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/289,221
FILING DATE: 12-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Immen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109347
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 6769 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
US-08-480-784-20

Query Match 1.5%; Score 39; DB 1; Length 6769;
Best Local Similarity 100.0%; Pred. No. 3.1e-07;
Matches 39; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 2082 TTGGCCTCCCAAGTGTGGGATTACAGGTGAGCCAC 2120
Db 2317 TTGGCCTCCCAAGTGTGGGATTACAGGTGAGCCAC 2279

RESULT 73
US-08-483-553-20/c
Sequence 20, Application US/08483553
Patent No. 5709999
GENERAL INFORMATION:
APPLICANT: Skolnick, Mark H.
APPLICANT: Goldgar, David E.
APPLICANT: Miki, Yoshio
APPLICANT: Swenson, Jeff
APPLICANT: Kamb, Alexander
APPLICANT: Harshman, Keith D.
APPLICANT: Shattuck-Eidens, Donna M.
APPLICANT: Tavtigian, Sean V.
APPLICANT: Wiseman, Roger W.
APPLICANT: Futreal, P. Andrew
TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer
TITLE OF INVENTION: Susceptibility Gene
NUMBER OF SEQUENCES: 85
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, N.W., Suite 1000
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,553
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/409,305
FILING DATE: 24-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/348,824
FILING DATE: 29-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/308,104

FILING DATE: 16-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/300,266
FILING DATE: 02-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/289,221
FILING DATE: 12-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109347
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-8300
TELEFAX: 202-962-4810
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 6769 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
US-08-483-553-20

Query Match 1.5%; Score 39; DB 1; Length 6769;
Best Local Similarity 100.0%; Pred. No. 3.1e-07;
Matches 39; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 2082 TTGGCTCCCAAGTCTGGATTACAGGTGAGCCAC 2120
Db 2317 TTGGCTCCCAAGTCTGGATTACAGGTGAGCCAC 2279

RESULT 74
US-08-487-002-20/c
Sequence 20, Application US/08487002
Patent No. 5710001
GENERAL INFORMATION:
APPLICANT: Shattuck-Eidens, Donna M.
APPLICANT: Simard, Jacques
APPLICANT: Eml, Mitsu
APPLICANT: Nakamura, Yusuke
APPLICANT: Durocher, Francine
TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer
NUMBER OF SEQUENCES: 85
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, N.W., Suite 1000
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,002
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/409,305
FILING DATE: 24-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/348,824
FILING DATE: 29-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/308,104

FILING DATE: 16-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/300,266
FILING DATE: 02-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/289,221
FILING DATE: 12-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109347
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-8300
TELEFAX: 202-962-4810
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 6769 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
US-08-487-002-20

Query Match 1.5%; Score 39; DB 1; Length 6769;
Best Local Similarity 100.0%; Pred. No. 3.1e-07;
Matches 39; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 2082 TTGGCTCCCAAGTCTGGATTACAGGTGAGCCAC 2120
Db 2317 TTGGCTCCCAAGTCTGGATTACAGGTGAGCCAC 2279

RESULT 75
US-08-483-554B-20/c
Sequence 20, Application US/08483554B
Patent No. 5747282
GENERAL INFORMATION:
APPLICANT: Skolnick, Mark H.
APPLICANT: Goldgar, David E.
APPLICANT: Miki, Yoshio
APPLICANT: Swenson, Jeff
APPLICANT: Kamb, Alexander
APPLICANT: Hartsman, Keith D.
APPLICANT: Shattuck-Eidens, Donna M.
APPLICANT: Tavtigian, Sean V.
APPLICANT: Misenar, Roger W.
APPLICANT: Futreal, P. Andrew
TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer
NUMBER OF SEQUENCES: 85
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, N.W., Suite 1000
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,554B
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/409,305
FILING DATE: 24-MAR-1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/348,824
FILING DATE: 29-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/308,104
FILING DATE: 16-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/300,266
FILING DATE: 02-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/289,221
FILING DATE: 12-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109347
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 6769 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
US-08-483-5548-20

Query Match 1.5%; Score 39; DB 1; Length 6769;
Best Local Similarity 100.0%; Pred. No. 3.1e-07;
Matches 39; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 2082 TTGGCTCCCAAGTCTGGGATTACAGGTGTGAGCCAC 2120
DB 2317 TTGGCTCCCAAGTCTGGGATTACAGGTGTGAGCCAC 2279

Search completed: April 1, 2003, 04:36:29
Job time : 3209 secs

